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FISHERY STATISTICS OF THE UNITED STATES
1960

BY

E. A. POWER

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"Fishery Statistics of the United States" are compiled and published annually to make available information on both the economic and biological aspects of the domestic commercial fisheries.

Data on the economic aspects are necessary to persons engaged in the commercial fishery and to governmental agencies concerned with its regulation and protection. Those here given cover the total catch and value by species, the yield and value of manufactured products and byproducts, the employment of men, craft, and gear in the capture of fishery products; and related information.

From the biological standpoint these data are important to sound fishery management in providing detailed information on fluctuations in the commercial catch by species, locality, and gear, and type of craft operated. They assist conservation agencies in regulating the commercial fisheries so as to produce maximum yields without depletion.

Previous statistical reports on the fishery industries were issued under the Department of the Interior in the Administrative Report series for 1938 and in the Statistical Digest series for succeeding years. Reports for preceding years were issued in the Administrative Report series of the former Bureau of Fisheries.

The following is a listing of the various editions of "Fishery Statistics of the United States" issued since 1939:

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4	Fishery Statistics of the United States, 1940
7	Fishery Statistics of the United States, 1941
11	Fishery Statistics of the United States, 1942
14	Fishery Statistics of the United States, 1943
16	Fishery Statistics of the United States, 1944
18	Fishery Statistics of the United States, 1945
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FISHERY STATISTICS OF THE UNITED STATES - 1960

By E.A. POWER, Chief, Branch of Statistics

Division of Resource Development

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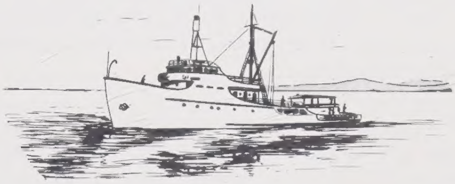


PREFACE

This report contains a review of the fishery statistics for the year 1960 collected during 1960 and 1961 by the Branch of Statistics, Division of Resource Development. These statistics include data on the volume and value of the catch of fishery products, employment in the fisheries, quantity of gear operated, number of fishing craft employed in the capture of fishery products, and information on the volume and value of the production of manufactured fishery products and byproducts.

In assembling the data on the fisheries, all appropriate records collected by the various State fishery agencies were used. In certain areas, information complete enough to be used by the statistical agents was available from State agencies, and in these States only partial surveys were conducted. Information on the means of collecting the data and an explanation of terms used may be found in Section 13 of this publication. Statistics on the imports and exports of fishery products were furnished by the Bureau of the Census.

Complete statistical surveys covering the fisheries of the United States were conducted in all areas for 1960 except for wholesale data for some of the lower Mississippi River States. Section 13 of this publication contains a chart indicating the areas for which statistical surveys have been conducted from 1880 to 1960. The first complete survey of the fisheries of the United States was made by the Bureau of the Census for 1908. Others were made by the Bureau of Fisheries and the Wildlife Service for the years 1931, 1950, and for the years 1954 to 1960 inclusive.

To assist persons interested in reviewing historical statistics of the domestic fisheries, a bibliography was published in "Fishery Statistics of the United States, 1956," listing the sources of data on the fisheries of the various regions of the United States for the years from 1880 to 1956.

SECTION 1 - GENERAL REVIEW

The 1960 commercial fisheries of the United States yielded a catch of 4.9 billion pounds valued at $353.6 million to the fishermen. Only in 1956, when a record 5.3 billion pounds were taken, and in 1959 (5.1 billion pounds) was the annual harvest greater. Compared with 1959, the catch was down 180 million pounds or 4 percent while the value was up over $7 million or 2 percent. The average price paid to fishermen in 1960 was 7.2¢ per pound--a little higher than in the previous year.

Sharp declines in landings of menhaden, Alaska herring, Pacific sardines, squid, and miscellaneous species used in the manufacture of industrial products resulted in the reduced volume. Increases occurred in catches of Pacific salmon, yellowfin tuna, jack mackerel, crabs, and Maine herring.

The 1960 catch was taken by 130,431 fishermen. Of this total, nearly 42,000 (32 percent) were employed on vessels. A total of 12,018 vessels of 5 net tons and over, 56,889 motor boats, and 8,150 other craft engaged in commercial fishing during the year. Over 2,000 persons were employed on 1,094 transporting craft. There were 4,207 wholesaling and manufacturing plants in the United States, which employed 93,625 persons. Fishermen engaged in processing their catches into manufactured products numbered 853.

Menhaden continued to rank first in volume--a position it has held continuously since 1946. The catch of 2 billion pounds--41 percent of the total United States production of all species of fish and shellfish, etc.--was 184 million pounds less than in 1959; however, it was the third largest catch in the history of the fishery.

The increase in the catch of menhaden in the Gulf States resulted in a record catch of 841 million pounds from the Gulf of Mexico. Fish were there in volume and in areas where they could be easily taken. Along the Atlantic Coast, the catch was less than in 1959, mainly because of reduced catches off Virginia and North Carolina. Because of a drastic reduction in the number of vessels operating in the fall fishery and severe weather conditions during the month of December, large numbers of good size fish were left undisturbed as they passed along the South Atlantic Coast late in the year.

The price of menhaden meal and solubles dropped sharply in 1959 and in 1960 the market was weak and inventories were high. Manufacturers had little incentive to produce although menhaden were abundant in most areas in 1960. Fewer vessels operated, and in some areas limits were imposed on the volume landed. Some factories did not begin producing until late in the season and at least one plant suspended operations for a month in midseason.

In 1960, the Pacific Coast tuna fishery recovered from the chaotic conditions of the previous year. Landings totaled 288 million pounds--20 million pounds more than in 1959. Outstanding in the economic recovery of the tuna fishery was the spectacular success of clippers converted to seiners. Tuna seiners were more efficient and economical, taking larger catches in less than one-half the time required by tuna clippers. The converted vessels made trips averaging 4 to 6 weeks, while in past years, as clippers, they were at sea for 10 to 14 weeks. Their success was reflected in reduced operating costs which permitted the fish to be sold at lower but profitable prices. Albacore fishing off the Coasts of Oregon and Washington in 1960 was only 37 percent as productive as in 1959. Landings dropped sharply from 14 million pounds in 1959 to about 5 million pounds in 1960. In California, the albacore catch (35 million pounds) was up 7 percent.

Tuna canners were better off in 1960 than in 1959. There were few price disputes, labor difficulties, or fleet tieups. A good supply of prime domestic tuna (mostly yellowfin) was available at lower prices, creating an increased demand for domestic fish. Imports of frozen tuna, loins and discs, and canned tuna were less than in 1959. The United States consumption of canned tuna, stimulated by intensive advertising and promotion, continued to grow, reaching about 2 pounds per capita--an increase of approximately 100 percent in the last decade. The 1960 United States pack reached a record 15.3 million cases valued at $173 million.

GENERAL REVIEW

Shrimp continued to yield more revenue to United States fishermen than any other species. The catch amounted to 249 million pounds, with an ex-vessel value of nearly $67 million. The volume was up 9 million pounds and the value $9 million compared with the previous year. Larger catches were registered in the Sanibel-Tortugas area, along the Texas Coast, off the Louisiana Coast, and in the Campeche area. However, catches off the Texas Coast, the Apalachicola area, and off the Louisiana Coast were made with greatly increased effort. Fishing effort on the high seas off the Mexican Coast west of 94° declined. Despite increased catches during 1960, the industry was still greatly concerned over the continuing rise in imports which totaled a record 113 million pounds. Primarily through the National Shrimp Congress, the industry continued its effort to have legislation enacted that would provide for an orderly flow of imports.

The processing of shrimp to such end-use products as peeled and deveined, frozen raw headless, breaded, and canned continued to increase during 1960. Among the unusual developments during the year was the introduction of a grading machine aboard a trawler operating out of Brownsville, Texas, to provide an easy method of handling small size shrimp aboard the vessel. In addition, several of the vessels experimented with three trawls.

The catch of Pacific Coast shrimp was down sharply in 1960. Landings totaled only 12 million pounds--8 million pounds less than in 1959. The 1960 Pacific Coast shrimp pack totaled only 79,000 cases, less than half the 169,000 cases packed the previous year. It was evident that markets other than those for the canned product were needed. The frozen market might be able to absorb the potential production if processors could be assured of a steady supply of raw material in large volume at stable prices.

The 1960 catch of sea herring, the fourth ranking item in the United States fisheries, amounted to 239 million pounds--about 3 million pounds more than in 1959. On the Atlantic Coast, the catch of 155 million pounds was 28 percent greater than in 1959. Over 98 percent (152 million pounds) was landed in Maine--about 35 million pounds more than in 1959. Imports into Maine from Canada totaled 74 million pounds--10 million pounds more than in the previous year. Fishing was poor in June and July, but improved in late summer. Most of the domestically caught and imported Atlantic sea herring was used to pack sardines or pet food. Marketable size fish comprised the bulk of the catch. Pacific Coast landings of sea herring, taken mostly in Alaska for manufacture into meal and oil, amounted to 84 million pounds--31 million pounds or 27 percent less than the previous year.

The depressed condition of the world market for fish meal was reflected in the Pacific Coast herring fishery. Although the 1960 catch was lower and prices paid to fishermen were less than in 1959, the domestic industry fared better than in neighboring British Columbia, where the fishery was crippled by price disputes and fleet tieups.

The 1960 Pacific salmon catch totaled 235 million pounds valued at $45 million--much better than in 1959 when 202 million pounds valued at $36 million were landed. However, only in Western and Central Alaska was the season really successful. In some areas, the fishery was nearly a failure. Alaska's catch (207 million pounds valued at $34 million) was up 41 percent in volume and 60 percent in value. In Oregon, production was about the same as in the previous year. Washington and California landings were well below those of 1959. The 1960 pack of canned salmon increased to 2.8 million cases from 2.5 million cases in 1959. Alaska showed a gain of 793,000 cases while the pack in Washington, Oregon, and California was down 424,000 cases.

Red salmon returned to Bristol Bay, Alaska, in near record numbers in 1960. The total run, estimated at well over 35 million fish, yielded a catch of about 13.5 million fish, of which almost 10 million were taken in the Naknek-Kvichak area. Over 20 million fish (perhaps a new record) escaped capture and reached spawning grounds. One major factor for the exceptionally large escapement was the small size of the fish (4.8 pounds average). At times during the season, catches were too large for canneries to handle. Limits were set and fishing ceased until cannery crews caught up.

GENERAL REVIEW

Combined Atlantic groundfish landings (cod, cusk, haddock, hake, pollock, and ocean perch) amounted to 330 million pounds valued at $19 million. Compared with 1959, the volume landed was up about 3 million pounds while the value received by fishermen declined about $3 million. Average prices paid to fishermen were approximately 13 percent below the previous year's level. Cod and pollock catches were less while haddock and ocean perch showed gains. The heavier haddock landings in 1960 were due to a good scrod catch in contrast to landings of large haddock which declined. With little interruption, there has been a steady downward trend in the catch of large haddock from 1938 through 1960. The area's ocean perch fishery recovered slightly from the 1959 low. The fleet operated at capacity. More trips were completed with fewer vessels. Gloucester trawlers turned more toward the Nova Scotia banks in 1960 and away from distant Gulf of St. Lawrence banks which had supplied a large part of the catch through most of the 1950's.

The domestic production of groundfish fillets amounted to 93.8 million pounds--slightly above the 91.1 million pounds produced in 1959, but nearly 55 million pounds less than the 148.8-million-pound peak production of 1951. In 1960, the total supply of groundfish fillets (domestic production plus imports) amounted to 249 million pounds. Only 38 percent of the supply came from domestically caught fish. The remainder was imported principally from Canada and Iceland. New England continued as the leading producing area for frozen fish sticks and portions. Cooked fish dinners (mostly haddock and cod prepared from frozen fish blocks) became an important item in the speciality field. The increased activity in shore plants did not, however, affect the domestic catch of groundfish since requirements were met chiefly from imports of frozen blocks of groundfish fillets.

The 1960 halibut fishery of the United States and Canada in the northeastern Pacific Ocean and Bering Sea yielded a record catch of 71.9 million pounds (landed weight). United States fishermen took 38.3 million pounds or 53 percent of the total. Canada continued to increase its share and took the largest catch in the history of its participation in the fishery. There was a decrease in production from Areas 3A and 3B in spite of a larger fleet, while more fish were taken from Areas 2A, 2B, and 2C with a smaller fleet. To westward (Bering Sea), the decline was due chiefly to poorer fishing. There was an increase in landings of American fish at Prince Rupert, British Columbia. Halibut prices paid to fishermen in 1960 were below those of the previous year.

The 1960 catch of jack mackerel (75 million pounds) was 37 million pounds greater than in 1959. Pacific mackerel (37 million pounds) was taken in about the same amounts as in the previous year. Lacking sardines in consistent quantity during the fall months of the year, seiners took substantial quantities of mackerel.

Once again, the California sardine season was a failure. The catch dropped from 74 million pounds in 1959 to only 58 million pounds in 1960--the fourth smallest catch since 1915. There was no lack of interest in fishing, and weather did not limit activities. Sardines just failed to appear in appreciable quantities. High surface water temperatures were believed, at least partially, to be the cause of poor showings of sardines during most of the season. Only a few thousand cases of sardines were packed in San Francisco, and most of the fish canned in Monterey were trucked from southern ports.

Landings of anchovies were down from 7 million pounds in 1959 to 5 million pounds in 1960. The pack for human food, canned primarily for export, was larger than in 1959, but the second smallest since 1949. Due to the anchovies' small size and soft texture, it is difficult and costly to produce a good pack. A further problem was that other countries could pack anchovies less expensively. The catch of anchovies could be greatly increased if a better market demand were developed.

Landings of otter trawl industrial fish at New England ports fell from 152 million pounds in 1959 to only 34 million pounds in 1960. In the years since World War II, landings of these items for producers of fish meal, oil, and animal foods had become an important part of the New England fishing economy. However, the industry was adversely affected by a combination of factors which began in 1959. In that year, production of fish meal and solubles was heavy, and imports of these products reached the highest level since 1954. Hog and poultry farmers experienced depressed conditions owing to falling prices for their products. Since the farmers were the principal users of fish meal and solubles, high supply was coupled with sluggish demand. Inventories rose, and prices fell for both domestic and imported products.

The problems of marketing fish meal and oil continued into 1960, and operations of New England industrial fishing craft and processing plants were curtailed. Plants closed, and one plant was dismantled. The lighter landings and lower ex-vessel prices caused a $1 million drop in ex-vessel payments for industrial fish. The decline in these landings was the principal reason for the total New England catch's falling to the lowest level since 1947.

The 1960 catch of crabs amounted to a record 222 million pounds valued at over $17 million to the fishermen. Compared with 1959, this was an increase of 47 million pounds or 27 percent in volume and $2.3 million or 15 percent in value. The Chesapeake States (70.7 million pounds) led all areas in the production of crabs, accounting for 32 percent of the volume and 27 percent of the value. The Pacific Coast States led in the value of the catch with 65 million pounds (29 percent) valued at $7.6 million (45 percent).

Dungeness crab landings totaled 36 million pounds--2 percent less than in 1959. In Alaska, there was a large expansion of the fishery for king crabs. Catches increased to 29 million pounds--10 million pounds more than in 1959. The canned pack increased by an astonishing 81 percent (1959--55,316 cases; 1960--100,105 cases).

The 1960 blue crab catch (155 million pounds valued at $9.2 million) was 38 million pounds and $1.1 million greater than in the previous year. Production was up in the Chesapeake, South Atlantic, and Gulf areas. The Chesapeake harvest was unusual in that there was an acute shortage of crabs during the first 6 months of the year, which resulted in a light supply and high prices during that period. Processors were less affected than the fishermen by the shortage since they augmented supplies by importing considerable quantities from areas as far south as Florida. As scientists had predicted, the shortage ended in midsummer, and in late July and during the remaining months of the year, fishermen took large catches which oversupplied the market and prices declined.

The 1960 production of oysters was the smallest in over 100 years. The catch of 60 million pounds of meats valued at $29 million was 7 percent less than in the previous year. There was an increase in the production from the South Atlantic and Gulf States. However, it was insufficient to overcome the drastic decline in the Middle Atlantic and Chesapeake areas. The catch on the Pacific Coast was about 1 million pounds less than in 1959. The serious condition of the Middle Atlantic and Chesapeake oyster fishery continued to be of major concern to the industry. Disastrous mortalities virtually wiped out the industry in Delaware Bay and some New Jersey waters. Serious losses also occurred in the Chincoteaque Bay area. There were indications that oysters were also threatened in other areas. Dermocystidium, predators, oxygen deficiencies, poor setting of seed, etc., contributed to the decreased production of oysters.

The Chesapeake Bay area accounted for 45 percent of the total volume and 66 percent of the value of the 1960 harvest of oyster meats. The Gulf States accounted for 27 percent of the volume but only 15 percent of the value. The Pacific Coast accounted for 18 percent of the volume and 8 percent of the total value.

A total of 271 whales was taken in 1960 by five catcher vessels operated by two whaling stations located in San Francisco Bay. This was a few less than were taken in 1959. Whale products, amounting to 10.3 million pounds, were manufactured from the catch. Both whaling companies operated primarily to obtain whale meat. Much of this was ground, packed in 50-pound bags, and frozen for sale to mink ranchers. Large amounts were also sold for use in canned pet foods. Due to a steadily increasing demand, the price of meat remained high. An additional plant licensed to operate a station at the mouth of the Columbia River was not active during the 1960 season.

GENERAL REVIEW

The following table represents recorded production for the areas in which surveys were made for the years shown and estimates for other regions. Data have been collected on the catch in all areas for the years following 1953.

UNITED STATES CATCH, 1946 - 1960

Year	Quantity	Value to fishermen	Average price per pound
	Million pounds	Million dollars	Cents
1946	4,467	313	7.01
1947	4,349	312	7.16
1948	4,513	371	8.22
1949	4,804	343	7.13
1950	4,901	347	7.09
1951	4,433	365	8.23
1952	4,432	364	8.20
1953	4,487	356	7.94
1954	4,762	359	7.55
1955	4,809	339	7.05
1956	5,268	372	7.06
1957	4,789	354	7.39
1958	4,747	373	7.86
1959	5,122	346	6.76
1960	4,942	354	7.15

San Pedro, California, was the leading fish landing port in the United States in 1960 with respect to both volume and ex-vessel value. Total landings in the San Pedro area, consisting largely of tuna, jack and Pacific mackerel, and sardines, amounted to 375 million pounds valued at nearly $33 million. Pascagoula, Mississippi, a menhaden port, was in second place with landings of about 302 million pounds, followed by Lewes, Delaware, with landings of around 282 million pounds, chiefly menhaden. The menhaden ports of Empire and Cameron, Louisiana, were next with landings of 216 million pounds and 205 million pounds respectively. Gloucester, Massachusetts, was in sixth place with landings totaling 192 million pounds, consisting mainly of whiting, ocean perch, and industrial fish. New Bedford, Massachusetts, was in second place with respect to ex-vessel value of landings (over $13 million), followed by Boston, Massachusetts ($9.6 million), and Gloucester, Massachusetts ($6 million). The predominance of high-priced sea scallops and flounders in the New Bedford receipts accounted for the high value, although the volume was much less than at other leading ports.

The catch of fish and shellfish used for human food (2.5 billion pounds) amounted to slightly more than one-half of the total 1960 production. The remainder (2.4 billion pounds) was manufactured into meal, solubles, and oil; used for bait; fed to fur-bearing animals and pets; and manufactured into shell buttons, etc.

It was estimated that the 1960 catch was marketed as follows: 1.6 billion pounds (round weight) as fresh and frozen, 1 billion pounds for canning, 82 million pounds for cured products, and 2.2 billion pounds for manufacture into industrial products. About 582 million pounds of waste from filleting, canning, and otherwise preparing fish for market were also used in the manufacture of industrial products.

The per capita consumption of fish and shellfish in the United States was 10.5 pounds (edible weight) during 1960--down somewhat from the previous year. Of this amount, fresh and frozen items accounted for 5.9 pounds; canned, 4 pounds; and cured, 0.6 pounds. Canned tuna was the principal item consumed, followed by groundfish in the form of fillets, sticks, and portions.

GENERAL REVIEW

The total pack of canned fishery products by 366 plants in the United States (including American Samoa and Puerto Rico) during 1960 amounted to 35 million cases (1.1 billion pounds), valued at $388 million. Compared with the previous year, this was an increase of over 3 million cases (114 million pounds) and $39 million. There was an increase in both the pack for human consumption and for animal food. Significant gains in the pack of animal food, tuna, salmon, and mackerel were primarily responsible for the overall increase. The value of three items--canned tuna, salmon, and animal food--accounted for 79 percent of the total revenue received by canners of fishery products.

The 1960 production of fishery byproducts was valued at nearly $67 million--a decrease of $15.6 million from the previous year, and the lowest value since 1945. The decrease was primarily caused by lower prices for fish meal brought on by record production and heavy imports in 1959. Fish meal and scrap totaled 580.3 million pounds with a value of $25.3 million. This was a decrease of 32.8 million pounds and $10.6 million from the 1959 production. Over 209 million pounds of marine animal oils, valued at over $13 million, were produced in 1960. Compared with the previous year, this was an increase of 12 percent in quantity, but only 2 percent in value. The production of fish solubles and homogenized condensed fish amounted to about 198 million pounds with a value of $4 million--a decrease of 132.9 million pounds and $6 million compared with 1959.

The production of fresh and frozen packaged fish fillets and steaks in the United States during 1960 totaled 153.2 million pounds with a value of $48.4 million to the initial processors. Compared with the previous year, this was an increase of 5.9 million pounds or 4 percent in volume and $2.3 million or 5 percent in value. It was estimated that whole round fish weighing 453 million pounds were required for the 1960 production of packaged fillets and steaks.

Atlantic ocean perch fillets (43.6 million pounds) and haddock fillets (33.3 million pounds) were the leading items and accounted for 50 percent of the total volume and 43 percent of the total value. Other leading items filleted and steaked were flounders, cod, pollock, and halibut which made up 34 percent of the total quantity and 39 percent of the total value. The greatest production of packaged fish fillets occurred in the New England area which accounted for 70 percent of the volume and 61 percent of the value.

United States foreign trade in fishery products was valued at $404 million during 1960. Imports for consumption accounted for $360 million and exports, $44 million. The value of fishery imports was $6.4 million less than in 1959 while exports were down $77,000. The principal items imported were fresh and frozen tuna, 241 million pounds; frozen groundfish fillets and blocks, 156 million pounds; and shrimp, principally frozen, 113 million pounds. Items received in considerably greater volume than in 1959 were fresh and frozen sea herring, albacore tuna, and shrimp. Sharp declines occurred in imports of fresh and frozen salmon, light meat tuna, groundfish fillets, and canned salmon and tuna. Exports of edible fishery products in 1960 totaled only 61 million pounds, probably the smallest volume for any year in the 20th century. Sharply reduced exports of canned salmon, sardines, and salted fish were largely responsible for the decline. In contrast to the low level of United States export trade in edible fishery products, nonedible items were valued at a record $18.5 million. This resulted from near record exports of fish oils, and record shipments of fur seal furs and unmanufactured shells.

The 1960 production of frozen fish and shellfish by 280 domestic freezer and cold storage plants reporting to the Bureau of Commercial Fisheries totaled 328.7 million pounds. Of the total, 227.7 million pounds consisted of fish and 101 million pounds, shellfish. Leading products frozen were: shrimp, 91.8 million pounds; fish blocks, fillets, and steaks, consisting mostly of ocean perch and haddock, 51.5 million pounds; bait and animal food, 66.8 million pounds; headed and gutted whiting, 34.7 million pounds; and dressed halibut, 30 million pounds. These items accounted for 84 percent of the total freezings of fish and shellfish products. It was estimated that a catch of approximately 523 million pounds of fish and shellfish was needed to produce the 328.7 million pounds of round, dressed, and drawn fish, fish fillets, and packaged shellfish frozen in 1960.

There were 432 vessels documented as fishing craft in 1960. Of this number, 408 were first documents and 24 were vessels previously removed from documentation.

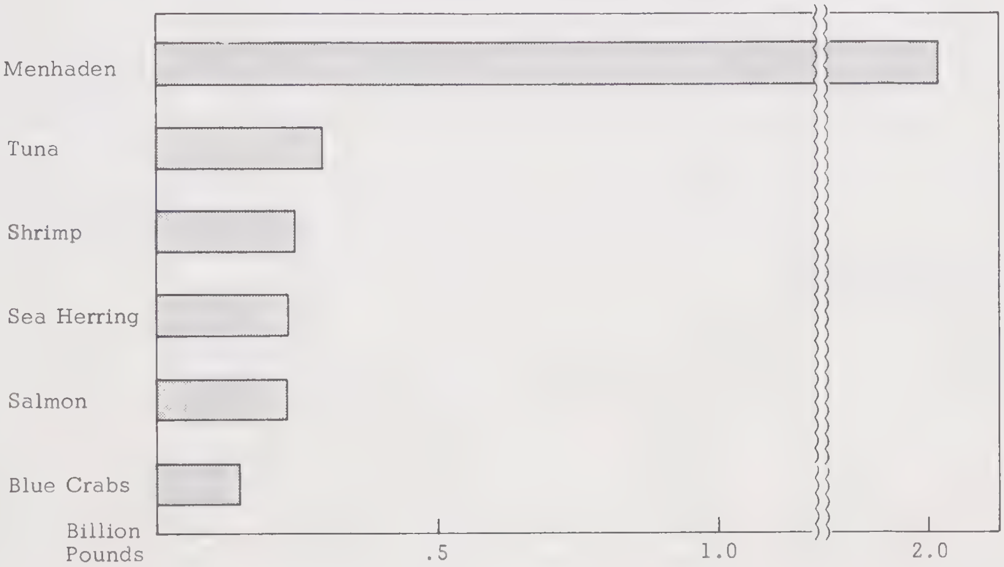
VESSELS OBTAINING DOCUMENTS AS FISHING CRAFT, 1950 - 1960

Year	First Documentation	Redocumentation	Total
1950	812	29	841
1951	780	28	808
1952	675	24	699
1953	729	25	754
1954	717	28	745
1955	418	23	441
1956	521	17	538
1957	601	18	619
1958	684	29	713
1959	479	34	513
1960	408	24	432

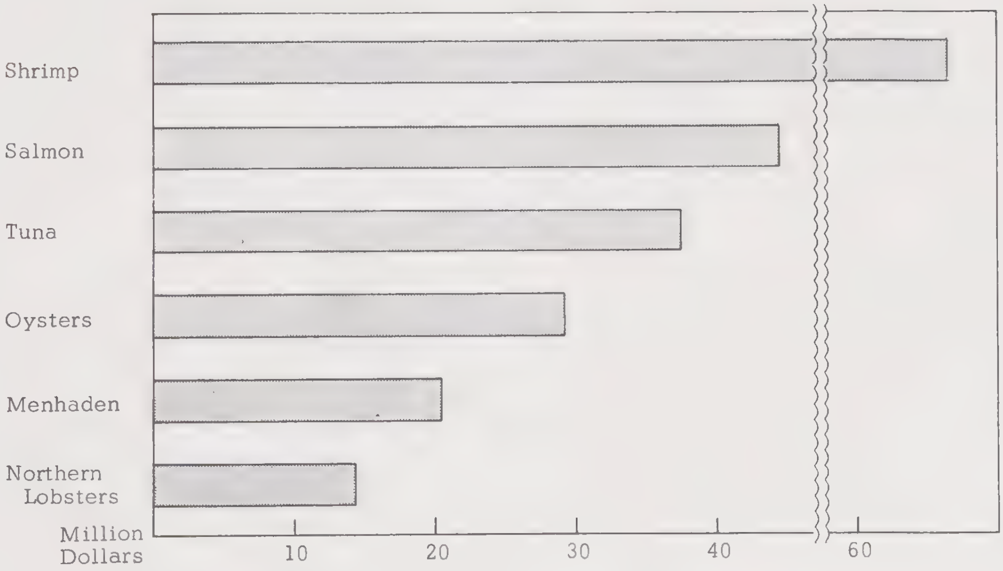
Detailed summaries of the catch and operating unit data for the United States have been previously published in Current Fishery Statistics No. 2801. Summaries of operating unit and catch statistics for each region of the United States also have been previously published in the Current Fishery Statistics series of bulletins. Of importance also to those interested in the most recent fishery data available is the annual publication "Fisheries of the United States, A Preliminary Review," which is available in April of each year. It contains preliminary data on many aspects of the fisheries for the previous calendar year, with comparative data for previous years. This publication may be obtained free from the Office of Information, United States Fish and Wildlife Service, Washington 25, D. C.

The current statistical publications of the Bureau which contain data on the domestic fisheries are listed in Fishery Leaflet 432 entitled "Fishery Statistical Publications of the Bureau of Commercial Fisheries." The publication also lists other Federal agencies, interstate commissions, and international and nongovernmental sources of fishery statistics. Copies of this leaflet may likewise be obtained free from the Office of Information.

CATCH OF CERTAIN SPECIES, 1960



VALUE OF CATCH OF CERTAIN SPECIES, 1960



GENERAL REVIEW

SUMMARY OF CATCH, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

REGION	FISH		SHELLFISH, ETC.		WHALE PRODUCTS		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND	782,563	33,749	69,401	27,725	-	-	851,964	61,474
MIDDLE ATLANTIC	738,928	12,298	44,920	9,459	-	-	783,848	21,757
CHESAPEAKE	328,538	8,106	107,259	26,755	-	-	435,797	34,861
SOUTH ATLANTIC	297,154	7,438	81,725	12,792	-	-	378,879	20,230
GULF	1,005,272	20,008	260,678	65,451	-	-	1,265,950	85,459
PACIFIC	957,139	99,454	93,424	11,992	10,262	672	1,060,825	112,118
GREAT LAKES	68,241	7,133	2	(1)	-	-	68,243	7,133
MISSISSIPPI RIVER AND TRIBUTARIES	60,908	5,969	24,697	1,860	-	-	85,605	7,829
HAWAII	11,070	2,674	48	30	-	-	11,118	2,704
TOTAL	4,249,813	196,829	682,154	156,064	10,262	672	4,942,229	353,565

1/ LESS THAN $500.

NOTE:--COMMERCIAL LANDINGS OF FISH (1,877,700 POUNDS VALUED AT $165,703) IN ARIZONA, COLORADO, AND IDAHO ARE NOT INCLUDED IN THESE TABULATIONS.

SUMMARY OF OPERATING UNITS, 1960

ITEM	NEW ENGLAND	MIDDLE ATLANTIC	CHESAPEAKE	SOUTH ATLANTIC	GULF
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	4,349	3,038	3,791	3,464	11,420
ON BOATS AND SHORE	17,851	5,294	15,681	9,464	11,657
TOTAL	22,200	8,332	19,472	12,928	23,077
VESSELS:					
MOTOR	742	621	1,167	1,174	3,429
GROSS TONNAGE	44,514	30,790	23,693	39,214	145,952
SAIL	-	-	61	-	-
GROSS TONNAGE	-	-	741	-	-
TOTAL VESSELS	742	621	1,228	1,174	3,429
TOTAL GROSS TONNAGE 1/	44,514	30,790	24,434	39,214	145,952
BOATS:					
MOTOR	11,356	3,391	9,843	5,242	8,285
OTHER	572	455	1,091	1,156	787
ACCESSORY BOATS	133	172	122	151	259
GEAR:					
HAUL SEINES	17	69	322	179	95
STOP NETS AND SEINES	109	4	-	-	-
PURSE SEINES AND LAMPARA NETS:					
HERRING	6	-	-	-	-
MACKEREL	3	-	-	-	-
MENHADEN	9	51	27	45	76
TUNA	1	-	-	-	-
OTHER	1	9	-	9	4
BAG NETS	7	-	-	22	-
BEAM TRAWLS	-	9	-	-	-
OTTER TRAWLS:					
CRAB	-	-	-	263	-
FISH	646	342	131	87	217
SCALLOP	-	-	-	10	-
SHRIMP	-	-	-	2,306	8,261
WEIRS	142	6	-	-	-
POUND NETS	56	157	3,644	903	-
FLOATING TRAPS	49	-	-	-	-
HOOP AND FYKE NETS	24	271	2,034	499	11,887
POTS AND TRAPS:					
CONCH	983	50	-	-	-
CRAB	1,538	8,020	195,075	40,900	49,849
CRAWFISH	-	-	-	-	5,060
EEL	1,105	1,602	8,259	665	-
FISH	-	19,145	4,513	15,782	340
LOBSTER	833,874	10,236	-	18,990	54,640

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1960 - Continued

ITEM	NEW ENGLAND	MIDDLE ATLANTIC	CHESAPEAKE	SOUTH ATLANTIC	GULF
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
GEAR - CONTINUED:					
POTS AND TRAPS - CONT'D:					
TURTLE	-	287	538	65	-
BOX TRAPS	5	-	-	-	-
SLAT TRAPS	-	-	3	-	-
GILL NETS:					
ANCHOR	46	52	407	1,660	159
DRIFT	71	129	1,024	822	46
RUNAROUND	-	44	-	531	1,047
STAKE	11	150	2,635	1,636	-
TRAMMEL NETS	-	-	-	9	581
HOOKS AND BAITS	416,894	321,763	1,010,767	1,030,758	1,139,554
DIP NETS	648	75	435	2,809	15,469
PUSH NETS	-	12	-	-	-
CAST NETS	-	-	-	70	45
HARPOONS	195	38	-	-	-
SPEARS	8	28	-	95	186
SCRAPES	-	-	563	-	-
DREDGES:					
CLAM	79	214	233	19	-
CRAB	-	162	348	28	-
MUSSEL	1	-	-	-	-
OYSTER	45	105	980	263	955
SCALLOP	2,738	2,186	38	50	47
OTHER	-	8	10	-	-
TONGS AND OYSTER GRABS	926	2,709	8,875	369	1,974
RAKES	982	1,945	1,054	243	-
HOES	2,953	80	-	-	-
FORKS	31	-	-	-	3
BRUSH TRAPS	-	-	-	-	18,200
GRABS, FROG	-	-	-	-	117
HOOKS:					
SPONGE	-	-	-	1	40
OTHER	-	1	-	-	3
DIVING OUTFITS	526	-	-	-	15

ITEM	PACIFIC	GREAT LAKES	MISSISSIPPI RIVER AND TRIBUTARIES	HAWAII	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	15,974	1,433	-	330	41,761
ON BOATS AND SHORE	15,465	2,378	10,612	268	88,670
TOTAL	31,439	3,811	10,612	598	130,431
VESSELS:					
MOTOR	4,769	498	-	63	11,957
GROSS TONNAGE	137,354	8,595	-	1,775	401,571
SAIL	-	-	-	-	61
GROSS TONNAGE	-	-	-	-	741
TOTAL VESSELS	4,769	498	-	63	12,018
TOTAL GROSS TONNAGE 1/	137,354	8,595	-	1,775	402,312
BOATS:					
MOTOR	8,764	1,152	8,663	193	5[illegible],869
OTHER	406	181	852	9	5,509
ACCESSORY BOATS	1,726	128	-	25	2,[illegible]41
GEAR:					
HAUL SEINES	132	116	277	-	1,20[illegible]
STOP NETS AND SEINES	-	-	-	-	113
PURSE SEINES AND LAMPARA NETS:					
HERRING	34	-	-	-	40

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1960 - Continued

ITEM	PACIFIC	GREAT LAKES	MISSISSIPPI RIVER AND TRIBUTARIES	HAWAII	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
GEAR - CONTINUED:					
PURSE SEINES AND LAMPARA NETS - CONTINUED:					
MACKEREL	96	-	-	-	99
MENHADEN	-	-	-	-	183
SALMON	1,526	-	-	-	1,526
SARDINE	48	-	-	-	48
TUNA	117	-	-	-	118
OTHER	48	-	-	-	71
BAG NETS	-	-	-	-	29
BEAM TRAWLS	43	-	-	-	52
OTTER TRAWLS:					
CRAB	28	-	-	-	291
FISH	239	21	3	-	1,534
SCALLOP	-	-	-	-	10
SHRIMP	23	-	-	-	10,120
WEIRS	1	-	85	-	234
POUND NETS	7	405	76	-	5,248
TRAP NETS	-	2,897	97	-	2,994
FLOATING TRAPS	11	-	-	-	60
HOOP AND FYKE NETS	-	544	54,737	-	69,996
POTS AND TRAPS:					
CONCH	-	-	-	-	1,003
CRAB	100,677	-	-	-	396,059
CRAWFISH	680	-	14,435	-	20,175
EEL	-	-	-	-	11,631
FISH	50	-	8,652	-	48,482
LOBSTER	11,482	-	-	-	929,222
OCTOPUS	65	-	-	-	65
SHRIMP	205	-	-	-	205
TURTLE	-	-	-	-	890
BOX TRAPS	-	-	-	-	5
SLAT TRAPS	-	-	-	-	3
GILL NETS:					
ANCHOR	2,122	2,666	6,168	-	13,280
DRIFT	4,624	-	-	-	6,716
RUNAROUND	-	-	-	-	1,622
STAKE	-	-	-	-	4,432
TRAMMEL NETS	8	-	3,518	-	4,116
HOOKS AND BAITS	1,204,761	101,527	5,174,339	-	10,400,361
DIP NETS	259	-	676	-	20,371
BRAIL OR SCOOP NETS	285	-	-	-	285
REEF NETS	89	-	-	-	89
PUSH NETS	-	-	-	-	12
WHEELS	3	-	-	-	3
CAST NETS	-	-	-	-	115
HARPOONS	65	-	-	-	298
SPEARS	-	-	-	-	317
SCRAPES	-	-	-	-	563
DREDGES:					
CLAM	3	-	-	-	548
CRAB	-	-	-	-	538
MUSSEL	-	-	-	-	1
OYSTER	89	-	-	-	2,437
SCALLOP	-	-	-	-	5,059
OTHER	-	-	-	-	18
TONGS AND OYSTER GRABS	405	-	-	-	15,258
RAKES	-	-	-	-	4,224
HOES	-	-	-	-	3,033
FORKS	-	-	-	-	34
SHOVELS	2,181	-	-	-	2,181
BRUSH TRAPS	-	-	-	-	18,200
CROWFOOT BARS	-	-	1,312	-	1,312
GRABS, FROG	-	-	174	-	291
HOOKS:					
SPONGE	-	-	-	-	41
OTHER	-	-	-	-	4
DIVING OUTFITS	66	-	-	-	507

1/ PREVIOUSLY THE TONNAGE REPORTED WAS NET TONS.

NOTE:--THE FOLLOWING OPERATING UNIT DATA ARE NOT INCLUDED IN THESE TABULATIONS: ARIZONA, 4 REGULAR FISHERMEN, EMPLOYING 4 MOTOR BOATS, FISHED 20 GILL NETS TOTALING 4,000 SQUARE YARDS. COLORADO, 6 REGULAR AND 4 CASUAL FISHERMEN, EMPLOYING 3 MOTOR BOATS, FISHED 3 HAUL SEINES TOTALING 1,000 YARDS IN LENGTH. IDAHO, 6 REGULAR AND 3 CASUAL FISHERMEN, EMPLOYING 5 MOTOR BOATS, FISHED 2 HAUL SEINES TOTALING 1,000 YARDS IN LENGTH.

SUMMARY OF UNITED STATES FISHING VESSELS, BY TONNAGE GROUPS, 1960

GROSS TONNAGE 1/	NEW ENGLAND	MIDDLE ATLANTIC	CHESA-PEAKE	SOUTH ATLANTIC	GULF	PACIFIC	GREAT LAKES	HAWAII	TOTAL, EXCLUSIVE OF DUPLI-CATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9	40	69	711	216	196	1,061	90	2	2,375
10 - 19	131	161	298	282	694	2,012	264	20	3,837
20 - 29	99	85	61	155	446	661	95	18	1,581
30 - 39	92	65	29	201	468	364	28	9	1,152
40 - 49	65	47	28	159	463	244	18	9	927
50 - 59	47	39	20	58	302	93	2	3	503
60 - 69	45	35	14	49	553	51	-	1	696
70 - 79	50	30	18	11	169	30	1	1	269
80 - 89	20	10	3	-	29	29	-	-	88
90 - 99	22	3	2	3	13	27	-	-	63
100 - 109	17	4	3.	1	7	24	-	-	49
110 - 119	23	10	7	1	7	25	-	-	64
120 - 129	11	4	3	2	8	11	-	-	34
130 - 139	13	2	2	-	6	10	-	-	29
140 - 149	7	3	6	3	11	1	-	-	28
150 - 159	13	2	2	2	4	5	-	-	25
160 - 169	9	1	1	-	7	6	-	-	24
170 - 179	5	6	-	-	6	2	-	-	18
180 - 189	2	4	2	2	7	4	-	-	19
190 - 199	6	29	5	6	10	19	-	-	66
200 - 209	1	-	-	-	1	1	-	-	2
210 - 219	3	-	1	-	1	2	-	-	6
220 - 229	3	4	1	4	4	1	-	-	13
230 - 239	1	1	1	1	1	4	-	-	8
240 - 249	3	-	2	4	-	2	-	-	11
250 - 259	3	-	-	6	2	4	-	-	13
260 - 269	2	1	3	4	2	3	-	-	13
270 - 279	-	-	-	-	-	6	-	-	6
280 - 289	-	2	1	2	-	1	-	-	4
290 - 299	2	1	1	1	1	2	-	-	7
300 - 309	2	2	-	-	-	1	-	-	5
310 - 319	2	1	-	-	1	4	-	-	8
320 - 329	2	-	1	-	-	2	-	-	5
330 - 339	-	-	-	-	-	2	-	-	2
340 - 349	-	-	-	-	-	2	-	-	2
350 - 359	-	-	-	-	-	3	-	-	3
360 - 369	-	-	-	-	-	6	-	-	6
370 - 379	1	-	1	-	-	14	-	-	16
380 - 389	-	-	-	-	-	3	-	-	3
390 - 399	-	-	1	1	-	3	-	-	4
400 - 409	-	-	-	-	-	1	-	-	1
410 - 419	-	-	-	-	1	2	-	-	3
420 - 429	-	-	-	-	-	3	-	-	3
430 - 439	-	-	-	-	-	5	-	-	5
440 - 449	-	-	-	-	-	1	-	-	1
450 - 459	-	-	-	-	-	1	-	-	1
460 - 469	-	-	-	-	1	3	-	-	4
470 - 479	-	-	-	-	5	1	-	-	6
480 - 489	-	-	-	-	-	1	-	-	1
490 - 499	-	-	-	-	-	2	-	-	2
500 - 509	-	-	-	-	-	1	-	-	1
520 - 529	-	-	-	-	-	1	-	-	1
600 - 609	-	-	-	-	1	-	-	-	1
610 - 619	-	-	-	-	1	-	-	-	1
640 - 649	-	-	-	-	1	-	-	-	1
680 - 689	-	-	-	-	-	1	-	-	1
700 - 709	-	-	-	-	-	1	-	-	1
TOTAL VESSELS . . .	742	621	1,228	1,174	3,429	4,769	498	63	12,018
TOTAL GROSS TONNAGE	44,514	30,790	24,434	39,214	145,952	137,354	8,595	1,775	402,312

1/ PREVIOUSLY THE TONNAGE REPORTED WAS NET TONS.

UNITED STATES - CATCH BY REGION, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	NEW ENGLAND		MIDDLE ATLANTIC		CHESAPEAKE		SOUTH ATLANTIC		GULF	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	19,178	170	44	2	18,989	287	12,841	129	162	8
AMBERJACK	7	(1)	(1)	(1)	-	-	34	1	16	(1)
ANCHOVIES	27	2	-	-	-	-	-	-	-	-
ANGLERFISH	8	(1)	34	1	-	-	-	-	-	-
BALLYHOO	-	-	-	-	-	-	15	2	51	7
BARRACUDA	-	-	-	-	-	-	3	(1)	5	(1)
BLUEFISH	54	11	858	183	140	21	1,705	193	723	79
BLUE RUNNER	-	-	-	-	-	-	57	3	684	27
BONITO	54	7	108	14	14	2	1	(1)	1	(1)
BOWFIN	-	-	-	-	3	(1)	5	(1)	7	(1)
BUFFALOFISH	-	-	-	-	-	-	-	-	741	88
BUTTERFISH	5,470	470	4,182	319	1,130	94	209	17	-	-
CABIO	-	-	-	-	19	3	29	3	40	2
CARP	4	(1)	52	4	927	35	213	8	15	1
CATFISH AND BULLHEADS	-	-	45	4	3,558	237	9,661	1,197	6,045	1,177
CIGARFISH	-	-	-	-	-	-	-	-	213	15
COD	35,255	2,244	4,571	410	555	42	-	-	-	-
CRAPPIE	-	-	-	-	1	(1)	-	-	-	-
CREVALLE	-	-	-	-	-	-	176	5	892	20
CROAKER	-	-	8	2	4,519	799	2,254	177	79	5
CUSK	1,927	99	-	-	-	-	-	-	-	-
DOLPHIN	-	-	-	-	-	-	5	1	9	1
DRUM:										
BLACK	-	-	56	1	176	10	105	7	1,918	142
RED	-	-	-	-	29	2	212	27	1,998	306
EELS:										
COMMON	134	18	276	42	387	36	67	3	-	-
CONGER	37	1	5	(1)	(1)	(1)	-	-	-	-
FLOUNDERS	61,559	7,253	11,901	1,738	3,902	601	1,482	176	521	95
GARFISH	-	-	-	-	-	-	-	-	334	17
GIZZARD SHAD	-	-	-	-	251	4	82	2	-	-
GROUPERS	-	-	-	-	-	-	262	31	6,341	722
GRUNTS	-	-	1	(1)	-	-	43	3	134	10
HADDOCK	118,615	9,391	82	7	-	-	-	-	-	-
HAKE:										
RED	7,538	81	1,439	37	22	(1)	-	-	-	-
WHITE	5,709	258	47	2	29	2	-	-	-	-
HALIBUT	270	70	-	-	-	-	-	-	-	-
HARVESTFISH	-	-	-	-	247	23	52	3	-	-
HERRING:										
SEA	154,667	2,534	521	8	10	(1)	-	-	-	-
THREAD	-	-	-	-	351	3	12,051	125	-	-
HICKORY SHAD	-	-	-	-	31	1	188	9	-	-
HOGCHOKER	-	-	-	-	17	(1)	-	-	-	-
HOGFISH	-	-	-	-	-	-	4	1	18	3
JEWFISH	-	-	-	-	-	-	11	1	104	9
KING MACKEREL	-	-	-	-	5	1	1,857	236	1,785	182
KING WHITING OR "KING-FISH"	1	(1)	38	3	73	6	3,187	281	763	44
LAMPREY	(1)	(1)	-	-	-	-	-	-	-	-
LAUNCE	282	15	-	-	-	-	-	-	-	-
MACKEREL	2,238	310	316	52	524	77	-	-	-	-
MENHADEN	42,620	396	670,799	6,555	248,905	2,270	215,023	2,185	840,907	8,894
MINNOWS	-	-	1	1	-	-	-	-	-	-
MOJARRA	-	-	-	-	-	-	54	4	337	20
MULLET	9	1	24	4	91	7	7,950	520	32,708	1,866
OCEAN PERCH, ATLANTIC	141,433	5,420	-	-	-	-	-	-	-	-
OCEAN POUT	58	1	-	-	-	-	-	-	-	-
PADDLEFISH	-	-	-	-	-	-	-	-	13	1
PERMIT	-	-	-	-	-	-	1	(1)	60	5
PIGFISH	-	-	-	-	6	(1)	98	6	(1)	(1)
PIKE OR PICKEREL	-	-	-	-	3	1	-	-	-	-
PILOTFISH	-	-	(1)	(1)	-	-	-	-	-	-
POLLOCK	22,327	747	7	(1)	(1)	(1)	-	-	-	-
POMPANO	-	-	-	-	1	(1)	173	107	543	349
SALMON, ATLANTIC	(1)	(1)	-	-	-	-	-	-	-	-
SAND PERCH	-	-	-	-	(1)	(1)	79	2	-	-
SAWFISH	-	-	-	-	-	-	-	-	11	1
SCUP OR PORGY	8,871	388	26,638	1,563	13,511	765	139	11	70	5
SEA BASS, BLACK (ATLANTIC)	310	50	2,730	461	3,797	539	184	21	(1)	(1)
SEA CATFISH	-	-	-	-	-	-	29	1	703	48
SEA ROBIN	214	2	24	(1)	1	(1)	-	-	-	-

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UNITED STATES - CATCH BY REGION, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	NEW ENGLAND		MIDDLE ATLANTIC		CHESAPEAKE		SOUTH ATLANTIC		GULF	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
SEA TROUT OR WEAKFISH:										
GRAY	3	(1)	623	59	1,081	112	2,307	130	-	-
SPOTTED	-	-	-	-	55	11	1,114	265	4,613	1,018
WHITE	-	-	-	-	-	-	-	-	185	13
SHAD	432	71	1,237	197	2,682	441	1,614	398	-	-
SHARKS:										
GRAYFISH	1,006	7	52	2	770	17	-	-	-	-
UNCLASSIFIED	26	1	12	1	124	4	22	2	7	(1)
TOTAL SHARKS	1,032	8	64	3	894	21	22	2	7	(1)
SHEEPSHEAD:										
FRESH-WATER	-	-	-	-	-	-	-	-	505	43
SALT-WATER	-	-	-	-	-	-	101	9	409	35
SILVERSIDES	-	-	205	23	-	-	-	-	-	-
SKATES	90	2	44	1	(1)	(1)	-	-	2	(1)
SMELT	103	35	-	-	-	-	-	-	-	-
SNAPPER:										
MANGROVE	-	-	-	-	-	-	56	10	265	42
MUTTON	-	-	-	-	-	-	53	11	94	20
RED	-	-	-	-	-	-	677	200	10,215	2,606
VERMILION	-	-	-	-	-	-	2	(1)	8	2
WHITE	-	-	-	-	-	-	12	1	-	-
YELLOWTAIL	-	-	-	-	-	-	98	27	528	121
SNOOK	-	-	-	-	-	-	-	-	1	(1)
SPADEFISH	-	-	-	-	(1)	(1)	4	(1)	-	-
SPANISH MACKEREL	-	-	-	-	20	3	2,406	243	5,468	515
SPANISH SARDINE	-	-	-	-	-	-	-	-	19	(1)
SPOT	-	-	18	2	4,404	403	6,364	383	275	17
STRIPED BASS	211	41	870	178	6,687	991	783	125	-	-
STURGEON, COMMON	18	2	22	6	29	8	72	13	1	(1)
SUCKERS	(1)	(1)	1	(1)	12	1	(1)	(1)	-	-
SUNFISH	-	-	(1)	(1)	2	(1)	-	-	-	-
SWELLFISH	17	1	333	18	1,326	38	348	10	-	-
SWORDFISH	942	380	69	37	-	-	-	-	-	-
TAUTOG	112	5	37	2	19	1	-	-	-	-
TENPOUNDER	-	-	-	-	-	-	(1)	(1)	503	15
THIMBLE-EYED MACKEREL	25	1	153	8	-	-	-	-	-	-
TILEFISH	2,212	134	123	11	11	1	-	-	(1)	(1)
TOMCOD	-	-	2	1	-	-	-	-	-	-
TRIGGERFISH	-	-	-	-	-	-	3	(1)	12	1
TRIPLETAIL	-	-	-	-	-	-	1	(1)	20	1
TUNA:										
BLUEFIN	1,390	79	13	2	(1)	(1)	-	-	-	-
LITTLE	-	-	4	(1)	10	(1)	1	(1)	-	-
TOTAL TUNA	1,390	79	17	2	10	(1)	1	(1)	-	-
WARSAW	-	-	-	-	-	-	7	1	134	10
WHITE PERCH	4	(1)	89	11	1,446	122	304	30	-	-
WHITING	103,637	2,262	7,414	257	551	16	-	-	-	-
WOLFFISH	819	43	-	-	-	-	-	-	-	-
YELLOW PERCH	-	-	(1)	(1)	71	10	17	1	-	-
UNCLASSIFIED:										
FOR FOOD	8,350	483	422	41	86	7	-	-	19	1
BAIT, REDUCTION, AND ANIMAL FOOD	34,281	263	2,378	27	6,928	52	10,247	81	83,038	1,399
TOTAL FISH	782,563	33,749	736,928	12,298	328,538	8,106	297,154	7,438	1,005,272	20,008
SHELLFISH, ETC.										
CRABS:										
BLUE:										
HARD	3	1	3,643	395	66,338	3,535	44,786	2,115	34,876	1,764
SOFT AND PEELER	-	-	57	14	4,378	1,061	91	32	525	259
GREEN	108	14	-	-	-	-	-	-	-	-
ROCK	1,580	87	12	1	-	-	-	-	-	-
STONE	-	-	-	-	-	-	50	16	367	135
TOTAL CRABS	1,691	102	3,712	410	70,716	4,596	44,927	2,163	35,768	2,158
CRAWFISH, FRESH-WATER	-	-	-	-	-	-	-	-	717	157
HORSESHOE CRABS	-	-	586	4	-	-	-	-	-	-
LOBSTERS:										
NORTHERN	29,260	13,582	1,876	656	32	13	-	-	-	-
SPINY	-	-	-	-	-	-	719	281	2,129	820
SHRIMP	90	20	. 5	5	-	-	31,214	8,512	205,725	57,631

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UNITED STATES - CATCH BY REGION, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	NEW ENGLAND		MIDDLE ATLANTIC		CHESAPEAKE		SOUTH ATLANTIC		GULF	
SHELLFISH, ETC.-CONT'D.	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CLAMS:										
HARD.	5,045	2,290	6,924	3,484	1,833	830	531	205	18	6
OCEAN QUAHOG.	186	19	-	-	-	-	-	-	-	-
RAZOR	78	20	6	1	-	-	-	-	-	-
SOFT.	2,811	1,317	198	63	5,570	1,594	-	-	-	-
SURF.	3	(1)	24,648	1,679	420	34	-	-	-	-
TOTAL CLAMS . . .	8,123	3,646	31,776	5,227	7,823	2,458	531	205	18	6
CONCHS.	156	27	340	58	179	17	-	-	22	5
MUSSELS, SEA.	494	45	14	2	-	-	-	-	-	-
OYSTERS, MARKET, EASTERN:										
PUBLIC.	58	50	38	33	14,100	9,987	1,136	531	7,673	1,981
PRIVATE	442	574	1,116	1,152	13,011	9,323	2,983	1,021	8,425	2,313
TOTAL OYSTERS . .	500	624	1,154	1,185	27,111	19,310	4,119	1,552	16,098	4,294
PERIWINKLES AND COCKLES	32	10	-	-	-	-	-	-	-	-
SCALLOPS:										
BAY	1,063	759	843	674	-	-	69	27	56	14
CALICO.	-	-	-	-	-	-	112	45	-	-
SEA	22,462	7,823	3,356	1,153	781	290	-	-	-	-
SQUID	2,089	160	1,211	80	302	23	15	1	32	2
SEA URCHINS	111	6	-	-	-	-	-	-	-	-
TERRAPIN.	-	-	4	1	16	8	-	-	-	-
TURTLES:										
BABY.	-	-	-	-	-	-	-	-	6	44
GREEN	-	-	-	-	-	-	1	(1)	26	3
LOGGERHEAD.	-	-	1	(1)	2	(1)	3	(1)	7	1
SLIDER.	-	-	1	(1)	-	-	-	-	-	-
SNAPPER	-	-	41	4	297	40	14	2	30	4
TOTAL TURTLES . .	-	-	43	4	299	40	18	2	69	52
FROGS	-	-	-	-	-	-	-	-	6	2
IRISH MOSS.	2,133	44	-	-	-	-	-	-	-	-
SPONGES	-	-	-	-	-	-	1	4	38	310
BLOODWORMS.	556	487	-	-	-	-	-	-	-	-
SANDWORMS	641	390	-	-	-	-	-	-	-	-
TOTAL SHELLFISH, ETC.	69,401	27,725	44,920	9,459	107,259	26,755	81,725	12,792	260,678	65,451
GRAND TOTAL. . .	851,964	61,474	783,848	21,757	435,797	34,861	378,879	20,230	1,265,950	85,459

SPECIES	PACIFIC		GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES		HAWAII		TOTAL	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES.	-	-	2,381	44	-	-	-	-	53,595	640
AMBERJACK	-	-	-	-	-	-	86	25	143	26
ANCHOVIES	5,059	74	-	-	-	-	-	-	5,086	76
ANGLERFISH.	-	-	-	-	-	-	-	-	42	1
BALLYHOO.	-	-	-	-	-	-	-	-	66	9
BARRACUDA	1,230	140	-	-	-	-	8	4	1,246	144
BLUEFISH.	-	-	-	-	-	-	-	-	3,480	487
BLUE PIKE	-	-	12	5	-	-	-	-	12	5
BLUE RUNNER	-	-	-	-	-	-	-	-	741	30
BONITO.	1,250	37	-	-	-	-	-	-	1,428	60
BOWFIN.	-	-	4	(1)	107	5	-	-	126	5
BUFFALOFISH	-	-	42	5	16,013	1,868	-	-	16,796	1,961
BURBOT.	-	-	395	14	39	1	-	-	434	15
BUTTERFISH.	-	-	-	-	-	-	-	-	10,991	900
CABEZONE.	3	(1)	-	-	-	-	-	-	3	(1)
CABIO	-	-	-	-	-	-	-	-	88	8
CABRILLA.	12	2	-	-	-	-	-	-	12	2
CARP.	644	22	7,343	254	22,315	700	-	-	31,513	1,024
CATFISH AND BULLHEADS .	-	-	2,058	436	13,465	2,557	-	-	34,832	5,608
CHUBS	-	-	16,854	2,551	-	-	-	-	16,854	2,551
CIGARFISH	-	-	-	-	-	-	-	-	213	15
CISCO	-	-	21	6	-	-	-	-	21	6
COD	5,372	263	-	-	-	-	-	-	45,753	2,959
CRAPPIE	-	-	5	1	54	10	-	-	60	11
CREVALLE.	-	-	-	-	-	-	103	46	1,171	71
CROAKER	-	-	-	-	-	-	-	-	6,860	983

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UNITED STATES - CATCH BY REGION, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	PACIFIC		GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES		HAWAII		TOTAL	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CUSK.	-	-	-	-	-	-	-	-	1,927	99
DOLLY VARDEN TROUT. . .	- 6	1	-	-	-	-	-	-	6	1
DOLPHIN	-	-	-	-	-	-	91	50	105	52
DRUM:										
BLACK	-	-	-	-	-	-	-	-	2,255	160
RED	-	-	-	-	-	-	-	-	2,239	335
EELS:										
COMMON.	-	-	28	4	-	-	-	-	892	103
CONGER.	-	-	-	-	-	-	4	1	46	2
FLOUNDERS	47,683	3,144	-	-	-	-	-	-	127,048	13,007
FLYING FISH	71	16	-	-	-	-	-	-	71	16
GARFISH	-	-	(1)	(1)	897	43	-	-	1,231	60
GIZZARD SHAD.	-	-	1	(1)	-	-	-	-	334	6
GOATFISH.	-	-	-	-	-	-	151	84	151	84
GOLDFISH.	-	-	198	3	-	-	-	-	198	3
GROUPERS.	254	52	-	-	-	-	-	-	6,857	805
GRUNTS.	-	-	-	-	-	-	-	-	178	13
HADDOCK	-	-	-	-	-	-	-	-	118,697	9,398
HAKE:										
PACIFIC	992	11	-	-	-	-	-	-	992	11
RED	-	-	-	-	-	-	-	-	8,999	118
WHITE	-	-	-	-	-	-	-	-	5,785	262
HALFMOON.	3	1	-	-	-	-	-	-	3	1
HALIBUT	50,932	6,232	-	-	-	-	-	-	51,202	6,302
HARDHEAD.	175	40	-	-	-	-	-	-	175	40
HARVESTFISH	-	-	-	-	-	-	-	-	299	26
HERRING:										
LAKE.	-	-	11,083	638	-	-	-	-	11,083	638
SEA	83,820	994	-	-	-	-	-	-	239,018	3,536
THREAD.	-	-	-	-	-	-	-	-	12,402	128
HICKORY SHAD.	-	-	-	-	-	-	-	-	219	10
HOGCHOKER	-	-	-	-	-	-	-	-	17	(1)
HOGFISH..	-	-	-	-	-	-	-	-	22	4
JACK MACKEREL	74,945	1,582	-	-	-	-	192	82	75,137	1,664
JEWFISH	-	-	-	-	-	-	-	-	115	10
KING CROAKER.	1,078	38	-	-	-	-	-	-	1,078	38
KING MACKEREL	-	-	-	-	-	-	-	-	3,647	419
KING WHITING OR "KINGFISH"	-	-	-	-	-	-	-	-	4,062	334
LAKE TROUT.	-	-	385	220	-	-	-	-	385	220
LAMPREY	-	-	-	-	-	-	-	-	(1)	(1)
LAUNCE.	-	-	-	-	-	-	-	-	282	15
LINGCOD	7,926	392	-	-	-	-	-	-	7,926	392
MACKEREL.	36,810	757	-	-	-	-	-	-	39,888	1,196
MARLIN.	-	-	-	-	-	-	544	159	544	159
MENHADEN.	-	-	-	-	-	-	-	-	2,018,263	20,301
MINNOWS	-	-	-	-	-	-	-	-	1	1
MOJARRA	-	-	-	-	-	-	-	-	391	24
MOONEYE	-	-	2	(1)	62	15	-	-	64	15
MULLET.	-	-	-	-	-	-	57	46	40,839	2,444
OCEAN PERCH:										
ATLANTIC.	-	-	-	-	-	-	-	-	141,433	5,420
PACIFIC	8,842	423	-	-	-	-	-	-	8,842	423
OCEAN POUT.	-	-	-	-	-	-	-	-	58	1
OPALEYE	1	(1)	-	-	-	-	-	-	1	(1)
PADDLEFISH.	-	-	-	-	583	85	-	-	596	86
PERCH	335	43	-	-	-	-	-	-	335	43
PERMIT.	-	-	-	-	-	-	-	-	61	5
PIGFISH	-	-	-	-	-	-	-	-	104	6
PIKE OR PICKEREL. . . .	-	-	209	32	21	3	-	-	233	36
PILOTFISH	-	-	-	-	-	-	-	-	(1)	(1)
POLLOCK	-	-	-	-	-	-	-	-	22,334	747
POMPANO	15	4	-	-	-	-	-	-	732	460
QUILLBACK	-	-	(1)	(1)	266	16	-	-	266	16
RATFISH	1,258	6	-	-	-	-	-	-	1,258	6
ROCK BASS	-	-	14	2	-	-	-	-	14	2
ROCKFISHES.	27,286	1,264	-	-	-	-	-	-	27,286	1,264
RUDDERFISH.	-	-	-	-	-	-	7	3	7	3
SABLEFISH	11,325	1,087	-	-	-	-	-	-	11,325	1,087
SALMON:										
ATLANTIC.	-	-	-	-	-	-	-	-	(1)	(1)
CHINOOK OR KING . . .	24,057	9,323	-	-	-	-	-	-	24,057	9,323
CHUM OR KETA.	49,811	4,371	-	-	-	-	-	-	49,811	4,371
PINK.	52,588	6,817	-	-	-	-	-	-	52,588	6,817
RED OR SOCKEYE. . . .	95,326	20,434	-	-	-	-	-	-	95,326	20,434
SILVER OR COHO. . . .	13,665	3,785	-	-	-	-	-	-	13,665	3,785
TOTAL SALMON. . .	235,447	44,730	-	-	-	-	-	-	235,447	44,730

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UNITED STATES - CATCH BY REGION, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	PACIFIC		GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES		HAWAII		TOTAL	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
SAND PERCH	-	-	-	-	-	-	-	-	79	2
SARDINE, PACIFIC	57,533	1,186	-	-	-	-	1	(1)	57,534	1,186
SAUGER	-	-	48	7	-	-	-	-	48	7
SAWFISH	-	-	-	-	-	-	-	-	11	1
SCULPIN	29	9	-	-	-	-	-	-	29	9
SCUP OR PORGY	-	-	-	-	-	-	-	-	49,229	2,732
SEA BASS:										
BLACK (ATLANTIC)	-	-	-	-	-	-	-	-	7,021	1,071
BLACK (PACIFIC)	242	37	-	-	-	-	22	11	264	48
WHITE	1,237	312	-	-	-	-	-	-	1,237	312
SEA CATFISH	-	-	-	-	-	-	-	-	732	49
SEA ROBIN	-	-	-	-	-	-	-	-	239	2
SEA TROUT OR WEAKFISH:										
GRAY	-	-	-	-	-	-	-	-	4,014	301
SPOTTED	-	-	-	-	-	-	-	-	5,782	1,294
WHITE	-	-	-	-	-	-	-	-	185	13
SHAD	456	34	-	-	-	-	-	-	6,421	1,141
SHARKS:										
GRAYFISH	1,425	8	-	-	-	-	-	-	3,253	34
SOUPFIN	5	(1)	-	-	-	-	-	-	5	(1)
UNCLASSIFIED	696	65	-	-	-	-	-	-	887	73
TOTAL SHARKS	2,126	73	-	-	-	-	-	-	4,145	107
SHEEPSHEAD:										
FRESH-WATER	-	-	5,158	154	5,327	303	-	-	10,990	500
SALT-WATER	5	(1)	-	-	-	-	-	-	515	44
SILVERSIDES	-	-	-	-	-	-	-	-	205	23
SKATES	628	5	-	-	-	-	-	-	764	8
SMELT	1,949	187	4,320	161	-	-	-	-	6,372	383
SNAPPER:										
MANGROVE	-	-	-	-	-	-	-	-	321	52
MUTTON	-	-	-	-	-	-	-	-	147	31
RED	-	-	-	-	-	-	-	-	10,892	2,806
VERMILION	-	-	-	-	-	-	-	-	10	2
WHITE	-	-	-	-	-	-	-	-	12	1
YELLOWTAIL	-	-	-	-	-	-	-	-	626	148
UNCLASSIFIED	-	-	-	-	-	-	210	127	210	127
SNOOK	-	-	-	-	-	-	-	-	1	(1)
SPADEFISH	-	-	-	-	-	-	-	-	4	(1)
SPANISH MACKEREL	-	-	-	-	-	-	-	-	7,894	761
SPANISH SARDINE	-	-	-	-	-	-	-	-	19	(1)
SPLITTAIL	1	(1)	-	-	-	-	-	-	1	(1)
SPOT	-	-	-	-	-	-	2	(1)	11,063	805
STEELHEAD TROUT	967	247	-	-	-	-	-	-	967	247
STRIPED BASS	29	3	-	-	-	-	-	-	8,580	1,338
STURGEON:										
COMMON	407	53	-	-	-	-	-	-	549	82
SHOVELNOSE	-	-	3	3	67	11	-	-	70	14
SUCKERS	16	(1)	1,645	76	595	12	-	-	2,269	89
SUNFISH	-	-	16	1	-	-	-	-	18	1
SWELLFISH	-	-	-	-	-	-	-	-	2,024	67
SWORDFISH	325	146	-	-	-	-	29	6	1,365	569
TAUTOG	-	-	-	-	-	-	-	-	168	8
TENPOUNDER	-	-	-	-	-	-	1	(1)	504	15
THIMBLE-EYED MACKEREL	-	-	-	-	-	-	-	-	178	9
TILEFISH	-	-	-	-	-	-	-	-	2,346	146
TOMCOD	86	2	-	-	-	-	-	-	88	3
TRIGGERFISH	-	-	-	-	-	-	1	(1)	16	1
TRIPLETAIL	-	-	-	-	-	-	-	-	21	1
TULLIBEE	-	-	1,315	39	-	-	-	-	1,315	39
TUNA:										
ALBACORE	40,202	5,939	-	-	-	-	9	3	40,211	5,942
BLUEFIN	11,952	1,456	-	-	-	-	1,296	581	14,651	2,118
LITTLE	-	-	-	-	-	-	4	1	19	1
SKIPJACK	46,304	4,791	-	-	-	-	7,356	1,001	53,660	5,792
YELLOWFIN	189,307	23,566	-	-	-	-	355	152	189,662	23,718
TOTAL TUNA	287,765	35,752	-	-	-	-	9,020	1,738	298,203	37,571
TURBOT	62	4	-	-	-	-	-	-	62	4
WAHOO	16	5	-	-	-	-	24	6	40	11
WARSAW	-	-	-	-	-	-	-	-	141	11
WHITEBAIT	168	15	-	-	-	-	-	-	168	15
WHITE BASS	-	-	1,805	285	27	5	-	-	1,832	290
WHITEFISH:										
COMMON	-	-	830	475	140	47	-	-	970	522
MENOMINEE	-	-	29	7	-	-	-	-	29	7
WHITE PERCH	-	-	1	(1)	-	-	-	-	1,844	163
WHITING	-	-	-	-	-	-	-	-	111,602	2,535
WOLFFISH	-	-	-	-	-	-	-	-	819	43

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

UNITED STATES - CATCH BY REGION, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	PACIFIC		GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES		HAWAII		TOTAL	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
YELLOW BASS	-	-	-	-	3	1	-	-	3	1
YELLOW PERCH.	-	-	10,238	1,099	271	55	-	-	10,597	1,165
YELLOW PIKE	-	-	1,798	611	656	232	-	-	2,454	843
YELLOWTAIL.	249	23	-	-	-	-	-	-	249	23
UNCLASSIFIED:										
FOR FOOD.	69	6	-	-	-	-	-	-	8,946	538
BAIT, REDUCTION, AND ANIMAL FOOD.	-	-	-	-	-	-	517	286	137,389	2,108
TOTAL FISH. . . .	957,139	99,454	68,241	7,133	60,908	5,969	11,070	2,674	4,249,813	196,829
SHELLFISH, ETC.										
CRABS:										
BLUE:										
HARD.	-	-	-	-	-	-	-	-	149,646	7,810
SOFT AND PEELER . .	-	-	-	-	-	-	-	-	5,051	1,366
DUNGENESS	36,157	5,333	-	-	-	-	-	-	36,157	5,333
GREEN	-	-	-	-	-	-	-	-	108	14
KING.	28,570	2,286	-	-	-	-	-	-	28,570	2,286
ROCK.	120	9	-	-	-	-	-	-	1,712	97
STONE	-	-	-	-	-	-	-	-	417	151
UNCLASSIFIED.	-	-	-	-	-	-	20	11	20	11
TOTAL CRABS . . .	64,847	7,628	-	-	-	-	20	11	221,681	17,068
CRAWFISH, FRESH-WATER .	29	8	2	(1)	609	73	-	-	1,357	238
HORSESHOE CRABS	-	-	-	-	-	-	-	-	586	4
LIMPET.	-	-	-	-	-	-	3	6	3	6
LOBSTERS:										
NORTHERN.	-	-	-	-	-	-	-	-	31,168	14,251
SPINY	351	236	-	-	-	-	11	7	3,210	1,344
SHRIMP.	12,418	764	-	-	-	-	(1)	(1)	249,452	66,932
ABALONE	853	496	-	-	-	-	-	-	853	496
CLAMS:										
COCKLE.	21	11	-	-	-	-	-	-	21	11
HARD.	526	216	-	-	-	-	(1)	(1)	14,877	7,031
OCEAN QUAHOG.	-	-	-	-	-	-	-	-	186	19
RAZOR	740	275	-	-	-	-	-	-	824	296
SOFT.	-	-	-	-	-	-	-	-	8,579	2,974
SURF.	-	-	-	-	-	-	-	-	25,071	1,713
MIXED	14	5	-	-	-	-	-	-	14	5
TOTAL CLAMS . . .	1,301	507	-	-	-	-	(1)	(1)	49,572	12,049
CONCHS.	-	-	-	-	-	-	-	-	697	107
MUSSELS, SEA.	-	-	-	-	-	-	-	-	508	47
MUSSEL SHELLS	-	-	-	-	23,655	1,297	-	-	23,655	1,297
PEARLS AND SLUGS. . . .	-	-	-	-	-	81	-	-	-	81
OCTOPUS	35	4	-	-	-	-	5	3	40	7
OYSTERS, MARKET:										
EASTERN:										
PUBLIC.	-	-	-	-	-	-	-	-	23,005	12,582
PRIVATE	(1)	1	-	-	-	-	-	-	25,977	14,384
PACIFIC	10,983	2,182	-	-	-	-	-	-	10,983	2,182
WESTERN	45	94	-	-	-	-	-	-	45	94
TOTAL OYSTERS . .	11,028	2,277	-	-	-	-	-	-	60,010	29,242
PERIWINKLES AND COCKLES	-	-	-	-	-	-	-	-	32	10
SCALLOPS:										
BAY	-	-	-	-	-	-	-	-	2,031	1,474
CALICO.	-	-	-	-	-	-	-	-	112	45
SEA	-	-	-	-	-	-	-	-	26,599	9,266
SQUID	2,562	72	-	-	-	-	5	2	6,215	340
SEA URCHINS	-	-	-	-	-	-	-	-	111	6
TERRAPIN.	-	-	-	-	-	-	-	-	20	9
TURTLES:										
BABY.	-	-	-	-	46	345	-	-	52	389
GREEN	-	-	-	-	-	-	4	1	31	4
LOGGERHEAD.	-	-	-	-	-	-	-	-	13	1
SLIDER.	-	-	-	-	19	(1)	-	-	20	(1)
SNAPPER	-	-	-	-	261	28	-	-	643	[illegible]
SOFT-SHELL.	-	-	-	-	4	(1)	-	-	4	(1)
TOTAL TURTLES . .	-	-	-	-	330	373	4	1	[illegible]	[illegible]
FROGS	-	-	-	-	103	36	-	-	109	[illegible]
IRISH MOSS.	-	-	-	-	-	-	-	-	[illegible]	[illegible]
SPONGES	-	-	-	-	-	-	-	-	39	[illegible]
BLOODWORMS.	-	-	-	-	-	-	-	-	[illegible]	[illegible]

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

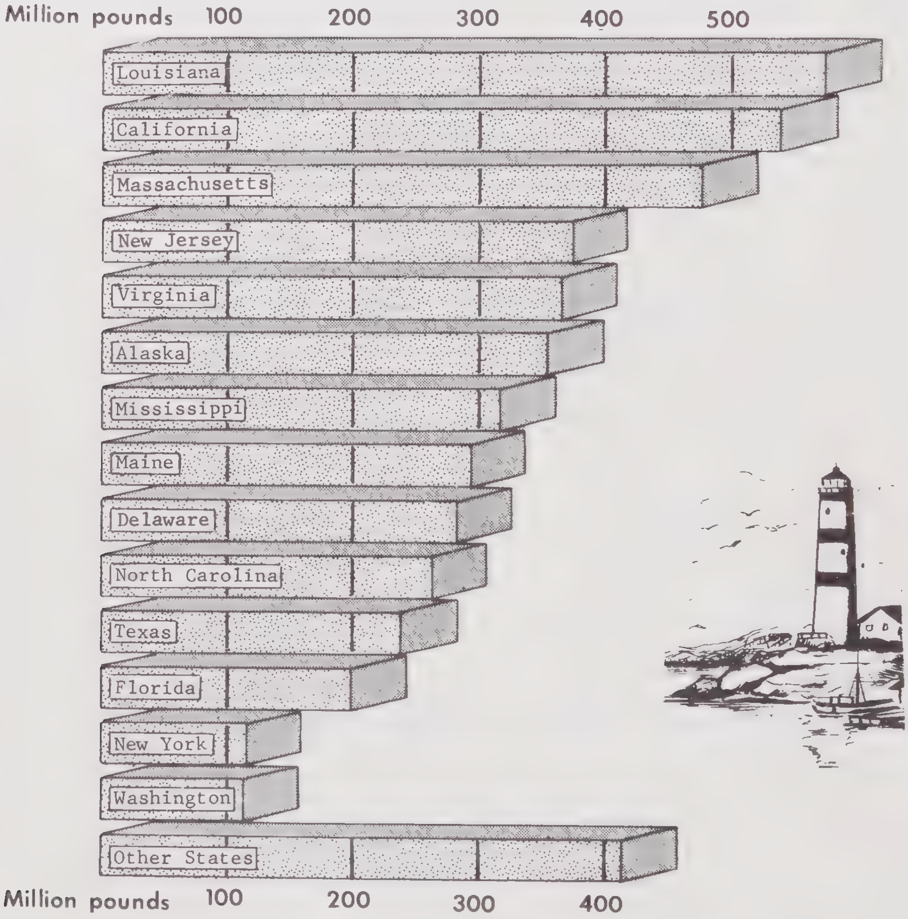
UNITED STATES - CATCH BY REGION, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	PACIFIC		GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES		HAWAII		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
SHELLFISH, ETC.-CONT'D.										
SANDWORMS	-	-	-	-	-	-	-	-	641	390
TOTAL SHELLFISH, ETC.	93,424	11,992	2	(1)	24,697	1,860	48	30	682,154	156,064
WHALE PRODUCTS:										
MEAL.	2,973	135	-	-	-	-	-	-	2,973	135
MEAT.	4,010	362	-	-	-	-	-	-	4,010	362
OIL:										
SPERM	170	10	-	-	-	-	-	-	170	10
WHALE	3,109	165	-	-	-	-	-	-	3,109	165
TOTAL WHALE PRODUCTS	10,262	672	-	-	-	-	-	-	10,262	672
GRAND TOTAL . . .	1,060,825	112,118	68,243	7,133	85,605	7,829	11,118	2,704	4,942,229	353,565

1/ LESS THAN 500 POUNDS OR $500.

RELATIVE VOLUME OF THE CATCH BY STATES, 1960



UNITED STATES - CATCH BY STATES, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

STATES	MARINE WATERS AND COASTAL RIVERS		LAKES 1/		MISSISSIPPI RIVER AND TRIBUTARIES		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALABAMA	12,106	3,003	-	-	16,154	1,348	28,260	4,351
ALASKA.	357,713	40,934	-	-	-	-	357,713	40,934
ARKANSAS.	-	-	-	-	6,036	733	6,036	733
CALIFORNIA.	540,837	49,578	-	-	-	-	540,837	49,578
CONNECTICUT	6,396	1,180	-	-	-	-	6,396	1,180
DELAWARE.	284,228	3,369	-	-	-	-	284,228	3,369
FLORIDA	190,677	26,013	6,269	815	-	-	196,946	26,828
GEORGIA	27,968	3,391	-	-	-	-	27,968	3,391
HAWAII.	11,118	2,704	-	-	-	-	11,118	2,704
ILLINOIS.	-	-	324	54	7,808	712	8,132	766
INDIANA	-	-	16	1	1,008	51	1,024	52
IOWA.	-	-	-	-	3,817	370	3,817	370
KANSAS.	-	-	-	-	60	8	60	8
KENTUCKY.	-	-	-	-	3,460	331	3,460	331
LOUISIANA	566,411	25,949	-	-	8,257	1,341	574,668	27,290
MAINE	294,641	20,071	-	-	-	-	294,641	20,071
MARYLAND.	69,113	13,936	-	-	-	-	69,113	13,936
MASSACHUSETTS	480,421	35,947	-	-	-	-	480,421	35,947
MICHIGAN.	-	-	25,021	2,997	-	-	25,021	2,997
MINNESOTA	-	-	4,872	297	11,710	726	16,582	1,023
MISSISSIPPI	314,214	7,606	-	-	2,194	328	316,408	7,934
MISSOURI.	-	-	-	-	344	35	344	35
MONTANA	-	-	-	-	21	2	21	2
NEBRASKA.	-	-	-	-	541	39	541	39
NEW HAMPSHIRE	1,188	430	-	-	-	-	1,188	430
NEW JERSEY.	373,688	9,607	-	-	-	-	373,688	9,607
NEW YORK.	125,932	8,781	590	105	-	-	126,522	8,886
NORTH CAROLINA.	265,248	7,020	-	-	-	-	265,248	7,020
NORTH DAKOTA.	-	-	-	-	827	35	827	35
OHIO.	-	-	18,011	1,632	-	-	18,011	1,632
OKLAHOMA.	-	-	-	-	334	42	334	42
OREGON.	49,160	6,055	-	-	-	-	49,160	6,055
PENNSYLVANIA.	-	-	1,015	113	-	-	1,015	113
RHODE ISLAND.	69,318	3,846	-	-	-	-	69,318	3,846
SOUTH CAROLINA.	24,252	4,039	-	-	-	-	24,252	4,039
SOUTH DAKOTA.	-	-	-	-	2,202	140	2,202	140
TENNESSEE	-	-	-	-	10,198	1,005	10,198	1,005
TEXAS	237,684	27,853	-	-	721	92	238,405	27,945
VIRGINIA.	366,684	20,925	-	-	-	-	366,684	20,925
WASHINGTON.	113,115	15,551	-	-	-	-	113,115	15,551
WISCONSIN	-	-	18,394	1,934	9,275	459	27,669	2,393
WYOMING	-	-	-	-	638	32	638	32
TOTAL.	4,782,112	337,788	74,512	7,948	85,605	7,829	4,942,229	353,565

1/ INCLUDES THE CATCH OF THE GREAT LAKES, THE INTERNATIONAL LAKES OF MINNESOTA, AND THE INLAND LAKES OF FLORIDA.

UNITED STATES - CATCH BY GEAR, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

GEAR	NEW ENGLAND		MIDDLE ATLANTIC		CHESAPEAKE		SOUTH ATLANTIC	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
HAUL SEINES	1,684	31	1,386	206	15,007	1,233	13,214	962
STOP NETS AND SEINES.	103,386	1,687	31	2	-	-	-	-
PURSE SEINES.	60,797	583	658,088	6,640	223,595	1,887	226,610	2,311
BAG NETS.	121	9	-	-	-	-	100	22
BEAM TRAWLS	-	-	4	4	-	-	-	-
OTTER TRAWLS.	537,489	28,506	54,566	4,575	28,750	2,071	58,839	9,542
WEIRS	47,662	789	606	10	-	-	-	-
POUND NETS.	6,321	407	19,500	415	48,189	1,749	12,404	287
FLOATING TRAPS. . . .	7,040	514	-	-	-	-	-	-
HOOP AND FYKE NETS. .	3	(2)	146	11	3,042	171	659	73
POTS AND TRAPS. . . .	30,886	13,594	4,910	826	3/45,700	3/2,560	31,698	2,083
GILL NETS	5,776	342	1,485	176	8,324	1,050	12,876	1,338
TRAMMEL NETS.	-	-	-	-	-	-	134	37
HOOKS AND BAITS . . .	11,741	729	4,378	442	13,712	811	16,883	1,702
DIP NETS.	1,753	177	2	1	109	21	394	23
PUSH NETS	-	-	2	2	-	-	-	-
HARPOONS.	1,203	394	69	37	-	-	165	40
SPEARS.	2	(2)	65	9	-	-	118	22
SCRAPES	-	-	-	-	2,708	578	-	-
DREDGES	25,052	9,277	33,627	6,026	32,001	12,741	1,013	472
TONGS AND RAKES 7/. .	6,439	2,121	4,126	2,070	14,355	9,843	2,180	769
HOES AND FORKS. . . .	4,538	2,286	12	5	-	-	-	-
HOOKS	-	-	(2)	(2)	-	-	1	4
DIVING OUTFITS. . . .	34	18	-	-	-	-	-	-
BY HAND	37	10	845	300	305	146	1,591	543
TOTAL.	851,964	61,474	783,848	21,757	435,797	34,861	378,879	20,230

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

UNITED STATES - CATCH BY GEAR, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

GEAR	GULF		PACIFIC		GREAT LAKES	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
HAUL SEINES	9,219	678	1/12,051	1/491	10,034	547
PURSE SEINES	840,946	8,900	1/514,488	1/37,809	-	-
BEAM TRAWLS	-	-	5,377	339	-	-
OTTER TRAWLS	290,435	59,190	108,868	5,946	7,922	341
WEIRS	-	-	137	23	-	-
POUND NETS	-	-	188	55	6,274	281
TRAP NETS	-	-	-	-	12,416	1,492
FLOATING TRAPS	-	-	777	104	-	-
HOOP AND FYKE NETS	2,314	357	-	-	1,031	101
POTS AND TRAPS	26,122	2,277	64,425	7,810	-	-
GILL NETS	35,671	2,701	4/126,959	4/24,423	30,224	4,296
TRAMMEL NETS	5,574	845	(4)	(4)	-	-
HOOKS AND BAITS	36,483	5,459	197,076	30,566	342	75
DIP NETS	2,583	288	5/6,114	5/271	-	-
BRAIL OR SCOOP NETS	-	-	(5)	(5)	-	-
REEF NETS	-	-	600	191	-	-
WHEELS	-	-	22	3	-	-
CAST NETS	41	2	-	-	-	-
HARPOONS	-	-	10,561	807	-	-
SPEARS	118	28	-	-	-	-
DREDGES	11,212	3,049	6/10,905	6/2,243	-	-
TONGS AND RAKES 7/	4,920	1,253	6/207	6/62	-	-
HOES AND FORKS	2	1	-	-	-	-
SHOVELS	-	-	1,217	479	-	-
BRUSH TRAPS	202	101	-	-	-	-
GRABS	6	2	-	-	-	-
HOOKS	11	48	-	-	-	-
DIVING OUTFITS	31	264	853	496	-	-
BY HAND	60	16	(6)	(6)	-	-
TOTAL	1,265,950	85,459	1,060,825	112,118	68,243	7,133

GEAR	MISSISSIPPI RIVER AND TRIBUTARIES		HAWAII		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
HAUL SEINES	16,962	677	86	30	79,643	4,855
STOP NETS AND SEINES	-	-	-	-	103,417	1,689
PURSE SEINES	-	-	-	-	2,524,524	58,130
BAG NETS	-	-	210	127	431	158
BEAM TRAWLS	-	-	-	-	5,381	343
OTTER TRAWLS	84	3	-	-	1,086,953	110,174
WEIRS	1,481	15	-	-	49,886	837
POUND NETS	144	8	-	-	93,020	3,202
TRAP NETS	1,782	54	-	-	14,198	1,546
FLOATING TRAPS	-	-	-	-	7,817	618
HOOP AND FYKE NETS	17,314	1,839	-	-	24,509	2,552
POTS AND TRAPS	1,384	261	139	67	205,264	29,478
GILL NETS	8,197	1,072	64	36	229,576	35,434
TRAMMEL NETS	7,443	758	-	-	13,151	1,640
HOOKS AND BAITS	7,000	1,383	10,411	2,341	298,026	43,508
DIP NETS	45	336	-	-	11,000	1,117
LIFT NETS	-	-	110	41	110	41
REEF NETS	-	-	-	-	600	191
PUSH NETS	-	-	-	-	2	2
WHEELS	-	-	-	-	22	3
CAST NETS	-	-	2	1	43	3
HARPOONS	-	-	-	-	11,998	1,278
SPEARS	-	-	2	2	305	61
SCRAPES	-	-	-	-	2,708	578
DREDGES	-	-	-	-	113,810	33,808
TONGS AND RAKES 7/	-	-	-	-	32,227	16,118
HOES AND FORKS	-	-	-	-	4,552	2,292
SHOVELS	-	-	-	-	1,217	479
BRUSH TRAPS	-	-	-	-	202	101
CROWFOOT BARS	23,270	1,368	-	-	23,270	1,368
GRABS	89	31	-	-	95	33
HOOKS	-	-	-	-	12	52
DIVING OUTFITS	-	-	-	-	918	778
BY HAND	410	24	3	6	3,251	1,045
UNCLASSIFIED GEAR	-	-	8/91	8/53	91	53
TOTAL	85,605	7,829	11,118	2,704	4,942,229	353,565

1/ THE CATCH BY HAUL SEINES IN ALASKA AND THE CATCH BY LAMPARA NETS IN CALIFORNIA HAVE BEEN INCLUDED WITH PURSE SEINES. 2/ LESS THAN 500 POUNDS OR 500 DOLLARS. 3/ THE CATCH BY SLAT TRAPS IN VIRGINIA HAS BEEN INCLUDED WITH POTS AND TRAPS. 4/ THE CATCH BY TRAMMEL NETS IN CALIFORNIA HAS BEEN INCLUDED WITH GILL NETS.
5/ THE CATCH BY BRAIL OR SCOOP NETS IN CALIFORNIA HAS BEEN INCLUDED WITH DIP NETS. 6/ THE CATCH BY HAND IN WASHINGTON AND OREGON HAS BEEN INCLUDED WITH DREDGES; IN CALIFORNIA, IT HAS BEEN INCLUDED WITH TONGS.
7/ INCLUDES THE CATCH BY OYSTER GRABS. 8/ INCLUDES THE CATCH BY MISCELLANEOUS SEINES, NETS, AND OTHER UNCLASSIFIED GEAR.

RELATIVE VOLUME OF THE CATCH, BY SPECIES, 1960

SPECIES	QUANTITY	PERCENT OF TOTAL	RECORD CATCH	
	THOUSAND POUNDS	PERCENT	YEAR	THOUSAND POUNDS
MENHADEN	2,018,263	40.8	1959	2,202,732
TUNA	298,203	6.0	1950	391,454
SHRIMP	249,452	5.0	1954	268,334
HERRING, SEA:				
ATLANTIC	155,198	3.1	1902	200,598
PACIFIC	83,820	1.7	1937	263,200
TOTAL	239,018	4.8	-	-
SALMON	235,447	4.8	1936	790,884
CRABS	221,681	4.5	1960	221,681
OCEAN PERCH, ATLANTIC	141,433	2.9	1951	258,320
INDUSTRIAL FISH 1/	137,389	2.8	1959	247,980
FLOUNDERS	127,048	2.6	1948	138,924
HADDOCK	118,697	2.4	1929	293,809
WHITING	111,602	2.3	1957	133,041
JACK MACKEREL	75,137	1.5	1952	146,522
OYSTERS	60,010	1.2	2/1908	152,046
SARDINE, PACIFIC	57,534	1.2	1936	1,502,299
ALEWIVES	53,595	1.1	1908	89,978
HALIBUT, PACIFIC	50,932	1.0	1915	66,707
CLAMS	49,572	1.0	1960	49,572
SCUP OR PORGY	49,229	1.0	1960	49,229
COD:				
ATLANTIC	40,381	.8	1880	294,351
PACIFIC	5,372	.1	1915	32,681
TOTAL	45,753	.9	-	-
MULLET	40,839	.8	1902	43,385
MACKEREL, PACIFIC	36,810	.8	1935	146,727
CATFISH AND BULLHEADS	34,832	.7	1960	34,832
CARP	31,513	.6	1908	42,659
LOBSTERS, NORTHERN	31,168	.6	1960	31,168
ROCKFISHES	27,286	.6	1945	57,686
SCALLOPS, SEA	26,599	.5	1960	26,599
MUSSEL SHELLS	23,655	.5	1908	81,869
POLLOCK	22,334	.5	1938	40,694
CHUBS	16,854	.3	1960	16,854
BUFFALOFISH	16,796	.3	1950	25,873
HERRING, THREAD	12,402	.3	1957	15,554
SABLEFISH	11,325	.2	1945	17,750
HERRING, LAKE	11,083	.2	1899	59,914
SPOT	11,063	.2	1952	15,863
BUTTERFISH	10,991	.2	1939	17,151
SHEEPSHEAD, FRESH-WATER	10,990	.2	1959	13,644
SNAPPER, RED	10,892	.2	1902	23,457
YELLOW PERCH	10,597	.2	1934	16,282
WHALE PRODUCTS 3/	10,262	.2	(4)	(4)
HAKE, RED	8,999	.2	-	-
OCEAN PERCH, PACIFIC	8,842	.2	1954	11,171
STRIPED BASS	8,580	.2	1960	8,580
LINGCOD	7,926	.2	1944	14,262
SPANISH MACKEREL	7,894	.2	1945	11,593
SEA BASS, BLACK (ATLANTIC)	7,021	.1	1952	21,997
CROAKER	6,860	.1	1945	64,668
GROUPERS	6,857	.1	1945	8,882
SHAD	6,421	.1	1890	43,000
SMELT	6,372	.1	1958	13,303
SQUID	6,216	.1	1946	40,260
HAKE, WHITE	5,785	.1	1898	39,900
SEA TROUT OR WEAKFISH, SPOTTED	5,782	.1	1936	8,800
ANCHOVIES	5,086	.1	1953	86,044
KING WHITING OR "KINGFISH"	4,062	.1	1952	5,270
SEA TROUT OR WEAKFISH, GRAY	4,014	.1	1945	41,420
KING MACKEREL	3,647	.1	1927	4,619
OTHER	83,579	1.9	-	-
TOTAL	4,942,229	100.0	-	-

1/ UNCLASSIFIED SPECIES FOR BAIT, REDUCTION, AND ANIMAL FOOD.

2/ FIRST YEAR IN WHICH AN OYSTER SURVEY WAS MADE IN ALL REGIONS.

3/ SINCE DATA ARE NOT AVAILABLE ON THE POUNDAGE OF WHALES TAKEN, STATISTICS ON THE YIELD OF THESE MAMMALS REPRESENT THE WEIGHT OF THE WHALE PRODUCTS PRODUCED WHICH INCLUDE MEAL, MEAT, AND OIL.

4/ DATA NOT AVAILABLE.

RELATIVE VALUE OF THE CATCH, BY SPECIES, 1960

SPECIES	VALUE	PERCENT OF TOTAL	RECORD VALUE	
	THOUSAND DOLLARS	PERCENT	YEAR	THOUSAND DOLLARS
SHRIMP	66,932	18.9	1953	76,641
SALMON	44,730	12.7	1951	52,509
TUNA	37,571	10.6	1950	61,342
OYSTERS	29,242	8.3	1954	32,796
MENHADEN	20,301	5.7	1956	28,425
CRABS	17,068	4.8	1960	17,068
LOBSTERS, NORTHERN	14,251	4.0	1959	14,468
FLOUNDERS	13,007	3.7	1951	13,253
CLAMS	12,049	3.4	1960	12,049
HADDOCK	9,398	2.7	1946	13,043
SCALLOPS, SEA	9,266	2.6	1959	11,805
HALIBUT, PACIFIC	6,232	1.8	1956	9,013
CATFISH AND BULLHEADS	5,608	1.6	1952	6,411
OCEAN PERCH, ATLANTIC	5,420	1.5	1951	12,597
HERRING, SEA:				
ATLANTIC	2,542	.7	1948	3,798
PACIFIC	994	.3	1947	2,152
TOTAL	3,536	1.0	-	-
COD:				
ATLANTIC	2,696	.8	1948	4,742
PACIFIC	263	.1	1959	664
TOTAL	2,959	.9	-	-
SNAPPER, RED	2,806	.8	1959	2,888
SCUP OR PORGY	2,732	.8	1951	2,994
CHUBS	2,551	.7	1958	2,564
WHITING	2,535	.7	1951	2,903
MULLET	2,444	.7	1945	4,647
INDUSTRIAL FISH 1/	2,108	.6	1959	2,632
BUFFALOFISH	1,961	.6	1952	3,564
JACK MACKEREL	1,664	.5	1952	4,755
SCALLOPS, BAY	1,474	.4	1960	1,474
MUSSEL SHELLS	1,378	.4	-	-
LOBSTERS, SPINY	1,344	.4	1957	1,500
STRIPED BASS	1,338	.4	1959	1,436
SEA TROUT OR WEAKFISH, SPOTTED	1,294	.4	1952	1,781
ROCKFISHES	1,264	.4	1945	2,648
SARDINE, PACIFIC	1,186	.3	1950	12,140
YELLOW PERCH	1,165	.3	1958	1,540
SHAD	1,141	.3	1945	2,680
SABLEFISH	1,087	.3	1946	1,834
SEA BASS, BLACK (ATLANTIC)	1,071	.3	1952	2,206
CARP	1,024	.3	1951	2,007
CROAKER	983	.3	1945	6,950
BUTTERFISH	900	.2	1958	971
YELLOW PIKE	843	.2	1951	2,152
GROUPERS	805	.2	1945	1,038
SPOT	805	.2	1949	975
SPANISH MACKEREL	761	.2	1945	1,521
MACKEREL, PACIFIC	757	.2	1957	1,231
POLLOCK	747	.2	1945	1,819
WHALE PRODUCTS 2/	672	.2	(3)	(3)
ALEWIVES	640	.2	1958	881
HERRING, LAKE	638	.2	1952	1,458
SWORDFISH	569	.2	1946	1,435
WHITEFISH, COMMON	522	.2	1948	3,784
SHEEPSHEAD, FRESH-WATER	500	.1	1951	929
ABALONE	496	.1	1957	587
BLUEFISH	487	.1	1951	760
BLOODWORMS	487	.1	1960	487
POMPANO	460	.1	1941	695
OCEAN PERCH, PACIFIC	423	.1	1954	445
OTHER	9,933	2.9	-	-
TOTAL	353,565	100.0	-	-

1/ UNCLASSIFIED SPECIES FOR BAIT, REDUCTION, AND ANIMAL FOOD.

2/ WHALE PRODUCTS INCLUDE MEAL, MEAT, AND OIL.

3/ DATA NOT AVAILABLE.

UNITED STATES CATCH, 1960 - LIVE WEIGHT BASIS

In the annual summary bulletins, it is the practice of the Bureau to show the catch of univalve and bivalve mollusks on the basis of the weight of meats. Insofar as possible, all other fish and shellfish items are shown on a live weight basis.

Since world fishery statistics published by the Food and Agriculture Organization of the United Nations represent the live weight of the catch for all items of fish and shellfish, it has been necessary to provide that organization with information on the domestic catch of all species on a live weight basis. Data released by the Food and Agriculture Organization, therefore, indicate that the 1960 United States catch was 1.3 billion pounds greater than the figure appearing in Fish and Wildlife Service publications. The increase is due to the inclusion of the weight of the shells of univalve and bivalve mollusks in the Food and Agriculture Organization data.

It has been deemed desirable to include in this report a table showing the entire domestic catch on a live weight basis. Information is also published on the catch of fishery products in the principal countries of the world so that the relative importance of the domestic fisheries can be determined. Tables containing these data follow.

UNITED STATES CATCH, 1960 - LIVE WEIGHT BASIS

(THOUSANDS OF POUNDS AND THOUSAND OF DOLLARS)

ITEM	QUANTITY	VALUE
FISH	4,249,813	196,829
SHELLFISH, ETC.:		
UNIVALVE AND BIVALVE MOLLUSKS:		
ABALONE	4,265	496
CLAMS:		
COCKLE	81	11
HARD	114,024	7,031
OCEAN QUAHOGS	1,492	19
RAZOR	1,993	296
SOFT	43,196	2,974
SURF	124,643	1,713
MIXED	66	5
TOTAL CLAMS	285,495	12,049
LIMPETS	8	6
CONCHS	2,235	107
MUSSELS:		
SEA	3,418	47
FRESH-WATER	26,021	1,378
OYSTERS, MARKET	875,948	29,242
PERIWINKLES AND COCKLES	133	10
SCALLOPS:		
BAY	16,101	1,474
CALICO	1,534	45
SEA	222,233	9,266
TOTAL UNIVALVE AND BIVALVE MOLLUSKS	1,437,391	54,120
CRUSTACEANS	507,454	99,837
OTHER	10,628	2,107
TOTAL SHELLFISH, ETC.	1,955,473	156,064
WHALE PRODUCTS	10,262	672
GRAND TOTAL	6,215,548	353,565

WORLD CATCH OF FISH, CRUSTACEANS, MOLLUSKS, ETC., BY COUNTRIES, 1960

The 1960 world commercial catch of fish, crustaceans, mollusks, etc., totaled a record 83.2 billion pounds, according to the "Yearbook of Fishery Statistics, 1960" released by the Food and Agriculture Organization of the United Nations. The 1960 catch was 6 percent larger than in 1959 (78.5 billion pounds) and one third more than the 62.4 billion pounds landed in 1955. The 1960 catch was nearly double that in 1938 and 1948, just before and after World War II.

Five countries accounted for well over 50 percent of the 1960 world catch. Japan (16.4 percent) continued in first place, followed by China (Mainland) with 13.3 percent. Peru was in third place with 9.4 percent, then the U.S.S.R., (8.1 percent), and the United States (7.5 percent).

In 1956, the United States ranked second only to Japan as a fishing nation. In 1960, it followed not only Japan but also China (Mainland), Peru, and the U.S.S.R. While the United States catch has remained at about the same level since 1955, other countries have reported substantial increases. Peru's catch has risen phenomenally from only 470 million pounds to 7.8 billion pounds due chiefly to the development of the anchovy fishery. During the same 5-year period, Japan's catch increased from 10.8 billion pounds to 13.7 billion pounds; and U.S.S.R. reported an increase of a little over 1 billion pounds.

Asia, excluding the U.S.S.R., accounted for 43 percent of the world catch. Europe, excluding the U.S.S.R., accounted for 21 percent, followed by South America, 11.4 percent; North America, 10.8 percent; U.S.S.R., 8 percent; and Africa, 6 percent. The remaining catch was taken in Oceania.

About 40 percent of the world catch was marketed fresh. Reduction into meal and oil accounted for 20 percent; cured, 19 percent; canned and frozen, 9 percent each. The remaining 3 percent was used for miscellaneous purposes.

WORLD CATCH OF FISH, CRUSTACEANS, MOLLUSKS, ETC., BY COUNTRIES, 1960

(LIVE WEIGHT BASIS)

COUNTRY	MILLION POUNDS	PERCENT
JAPAN	13,652	16.4
CHINA (MAINLAND)	1/11,067	13.3
PERU	7,785	9.4
U.S.S.R.	6,724	8.1
UNITED STATES	2/6,216	7.5
NORWAY	3,525	4.2
INDIA	2,557	3.1
SPAIN	3/2,062	2.5
CANADA	2,047	2.5
UNITED KINGDOM	2,037	2.4
INDONESIA	1,662	2.0
GERMANY, WESTERN	1,486	1.8
FRANCE	1,315	1.6
ICELAND	1,307	1.6
DENMARK	1,281	1.5
UNION OF SOUTH AFRICA	1,277	1.5
PHILIPPINES	1,050	1.3
PORTUGAL	1,047	1.3
KOREA, SOUTH	755	.9
CHILE	749	.9
SOUTH WEST AFRICA	704	.8
NETHERLANDS	694	.8
PAKISTAN	671	.8
CHINA (TAIWAN)	571	.7
SWEDEN	561	.7
ANGOLA	556	.7
BRAZIL	1/537	.6
THAILAND	487	.6
ITALY	468	.6
MEXICO	1/420	.5
POLAND	405	.4
FEDERATION OF MALAYA	368	.4
OTHER	7,187	8.6
TOTAL	2/83,230	100.0

1/ 1959 DATA.
2/ REVISED.
3/ ESTIMATED.

SOURCE:--YEARBOOK OF FISHERY STATISTICS, 1960, VOLUME XII, FOOD AND AGRICULTURE ORGANIZATIONS OF THE UNITED NATIONS.

CATCH FROM WATERS OFF THE UNITED STATES AND ON THE HIGH SEAS OFF FOREIGN COASTS, 1960

(THOUSANDS OF POUNDS)

AREA AND SPECIES	WATERS OFF U. S. COASTS	HIGH SEAS OFF FOREIGN COASTS	TOTAL
	QUANTITY	QUANTITY	QUANTITY
ATLANTIC AND GULF STATES:			
NEW ENGLAND:			
COD	31,482	3,773	35,255
CUSK	1,699	228	1,927
FLOUNDERS	61,030	529	61,559
HADDOCK	99,943	18,672	118,615
HAKE, WHITE	5,477	232	5,709
HALIBUT	158	112	270
OCEAN PERCH	25,037	116,396	141,433
POLLOCK	18,039	4,288	22,327
WHITING	103,244	393	103,637
WOLFFISH	475	344	819
OTHER	360,352	61	360,413
TOTAL	706,936	145,028	851,964
MIDDLE ATLANTIC, CHESAPEAKE, AND SOUTH ATLANTIC STATES, TOTAL	1,598,524	-	1,598,524
GULF:			
GROUPERS	6,025	316	6,341
SHRIMP	178,555	27,170	205,725
SNAPPER, RED	7,198	3,017	10,215
OTHER	1,043,669	-	1,043,669
TOTAL	1,235,447	30,503	1,265,950
TOTAL ATLANTIC AND GULF STATES	3,540,907	175,531	3,716,438
PACIFIC COAST STATES:			
ALASKA, WASHINGTON, AND OREGON:			
BOTTOMFISH (WASHINGTON AND OREGON 1/)	35,560	35,018	70,578
CRABS	49,851	-	49,851
HALIBUT	46,308	4,619	50,927
SALMON	228,063	1,163	229,226
SHRIMP	10,371	19	10,390
TUNA, ALBACORE	5,088	1	5,089
OTHER	103,661	266	103,927
TOTAL	478,902	41,086	519,988
CALIFORNIA:			
BARRACUDA	1,148	82	1,230
BONITO	1,220	30	1,250
CABRILLA	-	12	12
FLOUNDERS	366	10	376
GROUPERS	-	254	254
ROCKFISHES	13,595	119	13,714
SEA BASS:			
BLACK	21	221	242
WHITE	1,087	149	1,236
SHARKS, UNCLASSIFIED	669	25	694
SHEEPSHEAD	4	1	5
SWORDFISH	320	5	325
TUNA:			
ALBACORE	32,126	2,987	35,113
BLUEFIN	4,339	7,613	11,952
SKIPJACK	24	46,280	46,304
YELLOWFIN	11	189,296	189,307
WAHOO	-	16	16
YELLOWTAIL	157	92	249
OTHER	238,558	-	238,558
TOTAL	293,645	247,192	540,837
TOTAL PACIFIC COAST STATES	772,547	288,278	1,060,825
GREAT LAKES AND MISSISSIPPI RIVER STATES, TOTAL	153,848	-	153,848
HAWAII, TOTAL	11,118	-	11,118
GRAND TOTAL	4,478,420	463,809	4,942,229

1/ PRINCIPALLY COD, FLOUNDERS (INCLUDING SOLE), LINGCOD, OCEAN PERCH, ROCKFISHES, AND SABLEFISH.

SEED OYSTER FISHERY, 1960

ITEM	NEW ENGLAND 1/	MIDDLE ATLANTIC 2/	CHESAPEAKE 3/
OPERATING UNITS	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS	25	-	238
ON BOATS AND SHORE:			
REGULAR	-	15	766
CASUAL	-	-	330
TOTAL	25	15	1,334
VESSELS, MOTOR	8	-	91
GROSS TONNAGE	216	-	657
BOATS:			
MOTOR	-	-	738
OTHER	-	15	9
GEAR:			
DREDGES, COMMON	15	-	-
YARDS AT MOUTH	22	-	-
TONGS	-	15	1,334

CATCH	NEW ENGLAND 1/		MIDDLE ATLANTIC 2/		CHESAPEAKE 3/	
	U.S. BUSHELS	VALUE	U.S. BUSHELS	VALUE	U.S. BUSHELS	VALUE
OYSTERS, SEED:						
PUBLIC:						
SPRING	3,213	$20,099	-	-	1,777,683	$1,390,300
FALL	-	-	-	-	1,062,513	588,268
PRIVATE:						
SPRING	19,485	100,755	3,000	$9,000	107,915	106,374
FALL	8,144	24,431	-	-	51,713	37,017
TOTAL	30,842	145,285	3,000	9,000	2,999,824	2,121,959

ITEM	SOUTH ATLANTIC 4/	TOTAL
OPERATING UNITS	NUMBER	NUMBER
FISHERMEN:		
ON VESSELS	-	263
ON BOATS AND SHORE:		
REGULAR	30	811
CASUAL	-	330
TOTAL	30	1,404
VESSELS, MOTOR	-	99
GROSS TONNAGE	-	873
BOATS:		
MOTOR	-	738
OTHER	-	24
GEAR:		
DREDGES, COMMON	-	15
YARDS AT MOUTH	-	22
TONGS	-	1,349

CATCH	SOUTH ATLANTIC 4/		TOTAL	
	U.S. BUSHELS	VALUE	U.S. BUSHELS	VALUE
OYSTERS, SEED:				
PUBLIC:				
SPRING	-	-	1,780,896	$1,410,399
FALL	-	-	1,062,513	588,268
PRIVATE:				
SPRING	13,000	$4,030	143,400	220,159
FALL	43,000	13,330	102,857	74,778
TOTAL	56,000	17,360	3,089,666	2,293,604

1/ CONFINED TO CONNECTICUT.
2/ CONFINED TO NEW YORK.
3/ MARYLAND ACCOUNTED FOR 7,031 BUSHELS FROM PRIVATE GROUNDS VALUED AT $6,750 AND VIRGINIA 2,992,793 BUSHELS FROM PUBLIC AND PRIVATE GROUNDS VALUED AT $2,115,209.
4/ CONFINED TO SOUTH CAROLINA.

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES. OF THE TOTAL NUMBER OF PERSONS FISHING FOR SEED OYSTERS, 1,265 WERE DUPLICATED AMONG THOSE FISHING FOR MARKET OYSTERS OR OTHER SPECIES. SIMILARLY, THE FOLLOWING CRAFT AND GEAR WERE DUPLICATED: 91 VESSELS (755 GROSS TONS), 701 MOTOR BOATS, 18 OTHER BOATS, 18 DREDGES (18 YARDS AT MOUTH), AND 1,195 TONGS.

TRANSPORTING, WHOLESALING, AND MANUFACTURING, 1960

ITEM	NEW ENGLAND	MIDDLE ATLANTIC
	NUMBER	NUMBER
TRANSPORTING:		
PERSONS ENGAGED:		
ON VESSELS	173	-
ON BOATS	1	-
VESSELS, MOTOR	88	-
GROSS TONNAGE	2,739	-
BOATS, MOTOR	1	-
WHOLESALING AND MANUFACTURING:		
ESTABLISHMENTS	568	502
PERSONS ENGAGED:		
AVERAGE FOR SEASON	14,199	8,396
AVERAGE FOR YEAR	8,791	6,395
FISHERMEN MANUFACTURING	458	250

ITEM	CHESAPEAKE	SOUTH ATLANTIC
	NUMBER	NUMBER
TRANSPORTING:		
PERSONS ENGAGED:		
ON VESSELS	739	56
ON BOATS	20	45
VESSELS, MOTOR	451	30
GROSS TONNAGE	6,489	499
BOATS, MOTOR	10	-
WHOLESALING AND MANUFACTURING:		
ESTABLISHMENTS	631	454
PERSONS ENGAGED:		
AVERAGE FOR SEASON	13,810	8,587
AVERAGE FOR YEAR	6,997	5,104

ITEM	GULF	PACIFIC
	NUMBER	NUMBER
TRANSPORTING:		
PERSONS ENGAGED:		
ON VESSELS	-	817
ON BOATS	138	99
VESSELS, MOTOR	-	314
GROSS TONNAGE	-	28,563
BOATS, MOTOR	138	54
WHOLESALING AND MANUFACTURING:		
ESTABLISHMENTS	743	515
PERSONS ENGAGED:		
AVERAGE FOR SEASON	17,695	24,003
AVERAGE FOR YEAR	11,259	12,725
FISHERMEN MANUFACTURING	145	-

ITEM	GREAT LAKES	MISSISSIPPI RIVER AND TRIBUTARIES
	NUMBER	NUMBER
TRANSPORTING:		
PERSONS ENGAGED:		
ON VESSELS	23	-
VESSELS, MOTOR	8	-
GROSS TONNAGE	174	-
WHOLESALING AND MANUFACTURING:		
ESTABLISHMENTS	321	451
PERSONS ENGAGED:		
AVERAGE FOR SEASON	3,470	2,967
AVERAGE FOR YEAR	2,383	1,708

ITEM	HAWAII	TOTAL
	NUMBER	NUMBER
TRANSPORTING:		
PERSONS ENGAGED:		
ON VESSELS	(1)	1,808
ON BOATS	(1)	303
VESSELS, MOTOR	(1)	891
GROSS TONNAGE	(1)	38,464
BOATS, MOTOR	(1)	203
WHOLESALING AND MANUFACTURING:		
ESTABLISHMENTS	22	4,207
PERSONS ENGAGED:		
AVERAGE FOR SEASON	498	93,625
AVERAGE FOR YEAR	442	55,804
FISHERMEN MANUFACTURING	-	853

1/ DATA NOT AVAILABLE.

NOTE:--BOATS AND VESSELS ENGAGED IN TRANSPORTING AND FISHING ARE INCLUDED ONLY AS FISHING CRAFT. OF THE TOTAL NUMBER OF PERSONS OPERATING ON TRANSPORTERS, 344 ENGAGED IN FISHING AND HAVE ALSO BEEN INCLUDED AS FISHERMEN.

MANUFACTURED FISHERY PRODUCTS

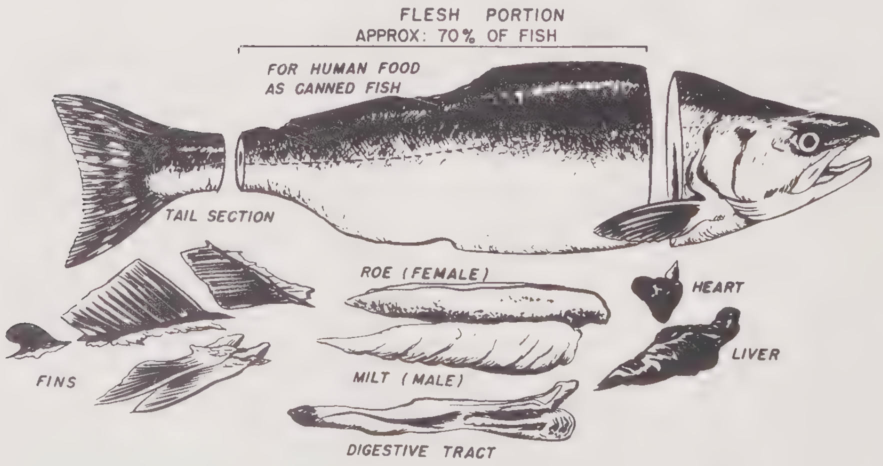
The 1960 production of manufactured fishery products (packaged, fresh and frozen; canned; cured; and byproducts) in the United States, American Samoa, and Puerto Rico was valued at $813 million to the packers. This was $61 million more than in the previous year. Canned products made up 48 percent of the total value; fresh and frozen packaged items, 39 percent; byproducts (principally meal, oil and solubles), 8 percent; and cured products, 5 percent.

The canned fish and shellfish pack in 1960 totaled 1.1 billion pounds valued at $388 million. The pack for human consumption amounted to 666 million pounds valued at $343 million; that canned for animal food and bait totaled 423 million pounds valued at $45 million. The 1960 pack of tuna was greater than any other pack canned for human consumption and amounted to 15.3 million standard cases (301.4 million pounds), exceeding the record pack of 1959 by nearly 974,000 cases. The value of the tuna pack in 1960, amounting to $173 million, was $13.5 million more than in the previous year. The pack of canned salmon amounted to 2.8 million standard cases (136 million pounds) with a value of $88.2 million--15 percent more in volume and 23 percent more in value than in 1959. The 1960 pack of Pacific sardines declined 138,700 cases in volume and $740,500 in value from the previous year.

The production of fresh and frozen packaged fishery products in 1960 totaled 584 million pounds valued at about $316 million. Compared with the previous year, the 1960 volume was up 11 percent and the value, 13 percent.

The 1960 production of fishery byproducts was valued at nearly $67 million--a decrease of $15.6 million from the previous year. Fish meal and scrap totaled 580.3 million pounds with a value of $25.3 million. This was a decrease of 32.8 million pounds and $10.6 million from the 1959 production. Over 209 million pounds of marine animal oils, valued at over $13 million, were produced in 1960. Compared with the previous year, this was an increase of 12 percent in quantity but only 2 percent in value. The production of fish solubles and homogenized condensed fish amounted to about 198 million pounds with a value of $4 million--a decrease of 132.9 million pounds in volume and $6 million in value compared with 1959.

PACIFIC SALMON



MANUFACTURED FISHERY PRODUCTS, 1960

ITEM		QUANTITY	VALUE
ALEWIVES:			
CANNED:			
FISH	STANDARD CASES	41,891	$194,524
ROE.	DO	33,427	426,036
SALTED:			
CORNED	POUNDS	4,330,000	119,500
BRINED (INCLUDING FILLETS)	DO	2,151,670	179,749
PICKLED (INCLUDING FILLETS).	DO	2,071,925	233,922
SMOKED	DO	84,500	5,216
MEAL	TONS	1,092	96,600
OIL.	GALLONS	73,950	34,774
ANCHOVY PASTE, CANNED.	STANDARD CASES	1,409	86,110
BLUE PIKE FILLETS:			
FRESH.	POUNDS	1,600	1,320
FROZEN	DO	500	425
BUTTERFISH, SMOKED	DO	510,186	286,013
CARP, SMOKED	DO	183,700	110,068
CHUBS, SMOKED.	DO	7,818,637	4,318,160
COD:			
FILLETS:			
FRESH.	DO	4,020,083	1,123,587
FROZEN	DO	5,429,992	1,716,908
STEAKS, FROZEN	DO	33,300	10,709
CAKES, BREADED AND FROZEN.	DO	1,376,971	576,514
SALTED (WHOLE, FILLETS, AND SHREDDED).	DO	1,342,650	630,249
SMOKED (WHOLE AND FILLETS)	DO	495,800	175,940
LUTEFISK (FROM DRIED COD).	DO	1,189,275	283,702
CUSK FILLETS:			
FRESH.	DO	327,838	91,863
FROZEN	DO	23,027	6,400
EELS, COMMON, SMOKED	DO	424,440	296,142
FLOUNDER FILLETS:			
FRESH.	DO	14,342,545	5,666,236
FROZEN	DO	14,035,214	5,538,153
BREADED, FROZEN.	DO	248,698	140,321
GROUPER:			
FILLETS:			
FRESH.	DO	186,112	80,982
FROZEN	DO	48,590	20,424
STEAKS:			
FRESH.	DO	58,644	21,390
FROZEN	DO	1,000	400
HADDOCK:			
FILLETS:			
FRESH.	DO	18,753,591	6,505,154
FROZEN	DO	14,570,881	4,333,997
BREADED, FROZEN FILLETS AND PIECES	DO	2,422,988	1,296,075
SMOKED (INCLUDING FINNAN HADDIE)	DO	185,100	70,783
HAKE:			
FILLETS:			
FRESH.	DO	335,173	92,959
FROZEN	DO	19,500	5,850
SALTED, WHOLE AND STRIPS	DO	291,290	69,650
HALIBUT:			
FROZEN:			
FILLETS (INCLUDING CHEEKS)	DO	923,598	462,958
STEAKS	DO	7,262,672	3,126,040
SMOKED (INCLUDING KIPPERED).	DO	203,711	73,836
HERRING, LAKE:			
FILLETS:			
FRESH.	DO	35,703	12,195
FROZEN	DO	27,159	7,801
SALTED	DO	1,990,324	346,494
SMOKED	DO	243,134	80,210
HERRING, SEA:			
MAINE SARDINES, CANNED	STANDARD CASES	1,997,618	16,699,987
SALTED:			
BRINED AND DRY SALTED.	POUNDS	457,000	109,100
PICKLED AND VINEGARED.	DO	8,514,550	3,958,498
SPECIALTIES (IN SAUCES AND SPECIAL CURING)	DO	7,188,524	3,918,158
SMOKED:			
BONELESS	DO	648,830	176,244
OTHER (INCLUDING KIPPERED)	DO	283,083	69,329
MEAL AND SCRAP	TONS	9,151	834,426
OIL.	GALLONS	1,533,243	668,295
LAKE TROUT:			
FILLETS:			
FRESH.	POUNDS	70,004	63,022
FROZEN	DO	36,057	28,162
SMOKED (INCLUDES BROOK TROUT).	DO	218,590	166,975

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MANUFACTURED FISHERY PRODUCTS, 1960 - Continued

ITEM		QUANTITY	VALUE
LINGCOD FILLETS:			
FRESH	POUNDS	1,108,654	$226,875
FROZEN	DO	998,581	208,707
MACKEREL:			
ATLANTIC:			
FILLETS:			
FRESH	DO	22,020	4,956
FROZEN	DO	73,650	22,701
SALTED	DO	555,302	247,848
SMOKED	DO	79,249	45,560
JACK:			
CANNED:			
NATURAL	STANDARD CASES	592,553	3,573,091
IN TOMATO SAUCE	DO	30,159	250,246
DRIED	POUNDS	41,353	26,629
PACIFIC, CANNED:			
NATURAL	STANDARD CASES	298,665	1,858,858
IN TOMATO SAUCE	DO	13,369	121,770
MENHADEN:			
MEAL AND SCRAP	TONS	218,423	19,201,716
OIL	GALLONS	24,453,736	11,582,027
SOLUBLES	TONS	65,850	2,299,209
MULLET, SALTED:			
FISH	POUNDS	713,491	112,966
ROE	DO	14,450	10,637
OCEAN PERCH:			
ATLANTIC:			
FILLETS:			
FRESH	DO	1,037,932	260,555
FROZEN	DO	42,512,730	9,916,084
FILLETS AND PIECES BREADED (FROZEN)	DO	229,500	89,465
PACIFIC, FILLETS:			
FRESH	DO	660,471	135,565
FROZEN	DO	2,183,556	536,061
PADDLEFISH, SMOKED	DO	50,000	53,150
POLLOCK FILLETS:			
FRESH	DO	1,722,357	329,332
FROZEN	DO	5,031,805	940,018
POMPANO FILLETS:			
FRESH	DO	8,500	13,600
FROZEN	DO	15,400	19,420
ROCKFISHES, FILLETS:			
FRESH	DO	3,210,696	656,766
FROZEN	DO	1,008,585	204,601
SABLEFISH:			
SMOKED	DO	3,106,946	1,859,602
KIPPERED	DO	214,100	89,747
SALTED	DO	86,528	20,630
SALMON:			
FROZEN:			
FILLETS	DO	9,000	7,675
STEAKS	DO	879,292	630,349
CANNED:			
CHINOOK OR KING	STANDARD CASES	100,179	4,041,983
CHUM OR KETA	DO	633,788	14,073,083
PINK	DO	685,504	17,227,477
RED OR SOCKEYE	DO	1,316,428	49,517,642
SILVER OR COHO	DO	92,280	3,061,442
STEELHEAD	DO	6,174	275,303
TOTAL	DO	2,834,353	88,196,930
SMOKED AND KIPPERED	DO	1,191	94,578
CAVIAR	DO	5,032	314,558
EGGS FOR BAIT	DO	14,948	868,688
SALTED:			
MILD-CURED (INCLUDES SALTED BELLIES)	POUNDS	4,230,124	3,771,767
PICKLED	DO	139,330	94,680
CAVIAR	DO	226,300	99,092
EGGS FOR BAIT	DO	217,756	48,916
SMOKED	DO	10,640,451	13,921,496
KIPPERED	DO	1,567,125	1.645,610
OIL (EDIBLE AND INDUSTRIAL)	GALLONS	9,075	19,985
SARDINES, PACIFIC:			
CANNED	STANDARD CASES	615,865	4,658,747
MEAL AND SCRAP	TONS	3,508	316,463
OIL	GALLONS	160,121	78,066

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MANUFACTURED FISHERY PRODUCTS, 1960 - Continued

ITEM		QUANTITY	VALUE
SAUGER FILLETS:			
FRESH	POUNDS	514,550	$412,505
FROZEN	DO	238,135	170,133
SEA BASS:			
FILLETS:			
FRESH	DO	6,000	3,300
FROZEN	DO	108,100	49,700
STEAKS, FROZEN	DO	76,073	50,664
SEA TROUT FILLETS:			
FRESH	DO	2,500	1,125
FROZEN	DO	14,744	7,614
SHAD:			
FILLETS, FRESH	DO	33,750	11,174
CANNED:			
FISH	STANDARD CASES	3,418	37,462
ROE	DO	862	97,034
SMOKED	POUNDS	80,000	24,775
SHARK LIVER OIL	GALLONS	30,474	339,704
SNAPPER, RED:			
FILLETS:			
FRESH	POUNDS	23,425	18,544
FROZEN	DO	224,135	119,746
STEAKS:			
FRESH	DO	22,313	15,399
FROZEN	DO	4,890	3,273
SPANISH MACKEREL FILLETS:			
FRESH	DO	33,500	10,750
FROZEN	DO	855,545	250,932
STURGEON, SMOKED AND KIPPERED	DO	711,500	1,445,260
SWORDFISH STEAKS, FROZEN	DO	1,000,144	531,187
TUNA:			
FROZEN SPECIALTIES (LINKS, LOAF, PIE, AND ROLL)	DO	1,412,102	496,504
CANNED:			
ALBACORE	STANDARD CASES	4,076,463	51,600,637
LIGHT MEAT	DO	11,064,322	118,816,059
UNCLASSIFIED (TONNO)	DO	164,649	2,262,177
TOTAL	DO	15,305,434	172,678,873
SPECIALTIES (WITH NOODLES, SHERRY, BEANS, AND SAUCE; AND SMOKED)	DO	60,621	456,508
DRIED	POUNDS	105,935	77,813
TUNALIKE (BONITO AND YELLOWTAIL), CANNED	STANDARD CASES	14,423	106,859
WHITEBASS FILLETS:			
FRESH	POUNDS	97,355	37,006
FROZEN	DO	29,450	7,925
WHITEFISH, COMMON:			
FILLETS:			
FRESH	DO	538,474	345,400
FROZEN	DO	199,326	105,132
SMOKED	DO	3,096,411	2,313,784
WHITING:			
FILLETS:			
FRESH	DO	9,385	2,070
FROZEN	DO	2,942,025	569,022
SMOKED	DO	477,220	203,558
WOLFFISH FILLETS:			
FRESH	DO	33,412	10,852
FROZEN	DO	196,593	60,582
YELLOW PERCH FILLETS:			
FRESH	DO	2,331,278	1,165,970
FROZEN	DO	1,018,977	437,899
YELLOW PIKE FILLETS:			
FRESH	DO	618,480	524,408
FROZEN	DO	424,273	336,628
CRABS:			
BLUE, HARD (INCLUDING ROCK CRABS):			
FRESH AND FROZEN COOKED MEAT	DO	15,355,649	14,380,810
FROZEN SPECIALTIES:			
DEVILED	DO	4,978,940	4,513,688
BURGERS, CAKES, CUTLETS, LOAVES, ROLLS, STICKS	DO	1,802,549	2,258,289
OTHER	DO	640,219	555,473
CANNED:			
REGULAR	STANDARD CASES	54,242	1,125,977
SPECIALTIES (SOFT SHELL, DEVILED, SOUP, BISQUE, NEWBURG, AND SPREAD)	DO	7,895	105,417

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MANUFACTURED FISHERY PRODUCTS, 1960 - Continued

ITEM		QUANTITY	VALUE
CRABS - CONTINUED:			
BLUE, HARD (INCLUDING ROCK CRABS) - CONTINUED:			
MEAL AND SCRAP	TONS	8,417	$339,586
DUNGENESS:			
FRESH AND FROZEN COOKED MEAT	POUNDS	4,877,223	4,972,900
FROZEN SECTIONS AND LEGS	DO	18,057	4,440
CANNED	STANDARD CASES	56,672	1,380,546
KING:			
FROZEN:			
COOKED MEAT	POUNDS	1,592,747	1,627,146
SECTIONS	DO	585,999	268,545
CANNED	STANDARD CASES	100,105	2,950,105
STONE, FROZEN CLAWS	POUNDS	20,440	14,400
LOBSTERS:			
NORTHERN:			
FRESH AND FROZEN COOKED MEAT	DO	974,607	2,832,966
FROZEN SPECIALTIES (NEWBURG, PIES, STEW)	DO	177,010	201,459
CANNED MEAT, SOUPS, STEWS, PASTE, AND THERMIDOR	STANDARD CASES	7,516	236,243
SPINY:			
FRESH AND FROZEN, COOKED (WHOLE)	POUNDS	990,967	546,431
SPECIALTIES, FROZEN (BISQUE, BUTTERED, CAKES, IN SAUCE)	DO	84,366	62,807
SHRIMP:			
FRESH AND FROZEN:			
HEADLESS IN SHELL (RAW)	DO	78,070,999	47,636,042
MEAT (INCLUDING DEVEINED):			
RAW	DO	19,286,860	18,499,947
COOKED	DO	2,870,575	4,281,218
BREADED, RAW AND COOKED	DO	70,347,893	47,015,287
SPECIALTIES (CAKES, COCKTAIL, DINNERS, SOUPS, AND STEWS)	DO	5,828,865	4,101,777
CANNED:			
NATURAL	STANDARD CASES	951,219	17,232,593
SPECIALTIES (COCKTAILS, SOUPS, AND STEWS)	DO	4,178	61,339
SUN-DRIED	POUNDS	710,146	795,861
MEAL AND BRAN	TONS	179	9,766
ABALONE STEAKS, FRESH AND FROZEN	POUNDS	413,495	555,231
CLAMS:			
SHUCKED, FRESH AND FROZEN:			
HARD (INCLUDES SURF, PISMO, AND OCEAN QUAHOG)	GALLONS	1,567,893	3,613,898
RAZOR	DO	7,888	59,355
SOFT	DO	586,619	3,416,307
FROZEN SPECIALTIES (IN TOMATO SAUCE, DEVILED, CAKES, STICKS, AND BREADED)	POUNDS	1,647,910	1,669,190
CANNED:			
WHOLE AND MINCED:			
HARD, SOFT, AND SURF	STANDARD CASES	717,907	4,640,237
RAZOR (INCLUDES COCKLES IN ALASKA)	DO	23,308	468,073
CHOWDER AND JUICE (HARD, SOFT, AND SURF)	DO	1,316,225	8,567,359
SPECIALTIES (DIP, FRITTERS, SPREAD, IN SHELL, SAUCE, SOUPS, AND STEWS)	DO	36,598	507,765
CONCH MEAT AND CHOWDER, CANNED	DO	6,042	130,270
MUSSEL SHELL BUTTONS	GROSS	523,091	577,221
OYSTERS:			
EASTERN:			
SHUCKED, FRESH AND FROZEN	GALLONS	4,143,230	29,102,863
STEAMED (INTERMEDIATE PREPARATION)	POUNDS	547,353	1,141,552
FROZEN:			
BREADED	DO	2,709,299	2,726,728
SPECIALTIES (BURGERS, DRESSING, PIE, AND STEW)	DO	1,171,620	496,291
CANNED:			
REGULAR PACK	STANDARD CASES	312,905	4,351,321
SPECIALTIES (BISQUE AND STEW)	DO	2,395	41,693
SHELL PRODUCTS:			
CRUSHED SHELL FOR POULTRY GRIT	TONS	392,475	6,137,118
LIME, BURNED AND UNBURNED	DO	58,611	409,838
PACIFIC:			
SHUCKED, FRESH AND FROZEN	GALLONS	1,117,276	3,835,484
CANNED:			
REGULAR PACK	STANDARD CASES	97,616	1,288.959
SMOKED	DO	1,414	135,940
STEW AND SOUP	DO	121,939	1,497,403
SHELL PRODUCTS:			
CRUSHED SHELL FOR POULTRY GRIT	TONS	18,477	259,608
LIME, UNBURNED	DO	1,262	14,470
WESTERN, SHUCKED, FRESH	GALLONS	4,691	125,402

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MANUFACTURED FISHERY PRODUCTS, 1960 - Continued

ITEM		QUANTITY	VALUE
SCALLOPS:			
BAY (INCLUDES CALICO), SHUCKED FRESH AND FROZEN	GALLONS	128,505	$1,076,398
SEA, BREADED (RAW AND COOKED)	POUNDS	10,031,938	6,318,420
SQUID, CANNED	STANDARD CASES	15,637	73,638
TERRAPIN AND TURTLE (MEAT, SOUP, AND STEW), CANNED	DO	13,455	237,526
WHALE:			
MEAT FROZEN (FOR ANIMAL FOOD)	POUNDS	4,009,950	362,545
MEAL	TONS	1,486	135,271
OIL:			
SPERM	GALLONS	22,624	9,553
OTHER	DO	414,513	165,016
UNCLASSIFIED PRODUCTS:			
PACKAGED FRESH AND FROZEN:			
FISH:			
FILLETS AND STEAKS, RAW (NOT BREADED) 1/	POUNDS	543,484	148,182
STICKS BREADED:			
RAW	DO	4,748,812	1,878,741
COOKED	DO	60,392,959	26,792,072
FILLETS, PAN-DRESSED, PIECES, PORTIONS, BREADED (RAW AND COOKED)	DO	49,023,211	17,439,085
PORTIONS, STEAKS, SQUARES, RAW (NOT BREADED)	DO	2,156,129	898,969
FISH AND SHELLFISH SPECIALTIES 2/	DO	13,891,201	9,493,025
CANNED:			
FISH:			
CAKES	STANDARD CASES	77,930	1,068,631
GEFULLTE FISH	DO	234,937	4,396,000
OTHER 3/	DO	103,283	2,348,451
ANIMAL FOOD	DO	8,786,922	43,979,255
SHELLFISH, MISCELLANEOUS 4/	DO	1,859	49,705
CURED FISH AND SHELLFISH:			
SALTED 5/	POUNDS	238,855	132,165
SMOKED 6/	DO	189,629	125,554
MEAL AND SCRAP:			
FUR SEAL	TONS	166	8,520
TUNA AND MACKEREL	DO	26,499	2,318,877
OTHER 7/	DO	21,216	2,020,363
OIL:			
BODY:			
FUR SEAL	GALLONS	22,300	5,631
TUNA AND MACKEREL	DO	509,195	175,047
UNCLASSIFIED (INCLUDING ANCHOVY)	DO	654,218	298,265
LIVER AND VISCERA OIL	DO	2,233	10,109
FISH SOLUBLES AND HOMOGENIZED CONDENSED FISH	TONS	33,079	1,721,783
MARINE PEARL SHELL BUTTONS	GROSS	1,426,369	2,675,928
OTHER 8/	-	-	13,831,917
GRAND TOTAL	-	-	812,846,877

1/ INCLUDES BLUEFISH, BLACK AND RED DRUM, KING WHITING, OCEAN POUT, PIKE OR PICKEREL, SABLEFISH, SCUP, STRIPED BASS, TILEFISH, WARSAW, AND UNCLASSIFIED SPECIES.

2/ INCLUDES FROZEN FISH CAKES, FISH DINNERS, FISH AND CHIPS, STUFFED FISH, FISH WITH SAUCES, ABALONE PATTIES, CONCH MEAT IN TOMATO SAUCE, MUSSELS IN SAUCE, SQUID IN SAUCE, BREADED SCALLOPS, SCALLOP DINNERS, TURTLE STEAKS, SHELLFISH DINNERS, AND SHELLFISH SOUPS.

3/ INCLUDES CANNED ANCHOVIES, SALTED COD, FINNAN HADDIE, THREAD HERRING, LUMPFISH CAVIAR, KING MACKEREL PASTE, ATLANTIC MACKEREL, PACIFIC HERRING, SMOKED SABLEFISH, SALMON SPREAD, SALMON LIVERS, SEA HERRING SALAD SPREAD, KIPPERED SHAD, SMOKED AND KIPPERED STURGEON, STURGEON CAVIAR, WAHOO, WHITEFISH, WHITEFISH CAVIAR, UNCLASSIFIED FISH APPETIZER, CHOWDER, FLAKES, ROE, AND SPREAD.

4/ INCLUDES CANNED ABALONE TRIMMINGS, SMOKED CRAB MEAT, CRAB COCKTAIL, CRAWFISH BISQUE, SEA MUSSELS, SCALLOPS IN SAUCE, AND UNCLASSIFIED SHELLFISH SOUPS.

5/ INCLUDES SALTED ANCHOVY PASTE, BARRACUDA, BLACK SEA BASS, POLLOCK, PACIFIC SARDINES, SPOT, YELLOWTAIL, UNCLASSIFIED FISH APPETIZER AND SPREAD, AND PICKLED SHRIMP.

6/ INCLUDES SMOKED BARRACUDA, BUFFALOFISH, CISCO, DOLLY VARDEN TROUT, KING WHITING, LINGCOD, MARLIN, PADDLEFISH, POLLOCK, SWORDFISH, TULLIBEE, TUNA, UNCLASSIFIED FISH, AND SHRIMP.

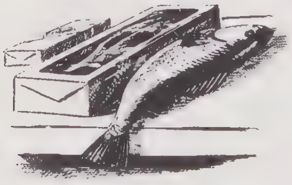
7/ INCLUDES MEAL AND DRY SCRAP FROM ANCHOVY, DUNGENESS CRAB, HORSESHOE CRAB, AND UNCLASSIFIED SPECIES.

8/ INCLUDES AGAR-AGAR, GLUE, IRISH MOSS EXTRACT, KELP PRODUCTS, LIQUID FERTILIZER, MUSSEL SHELL LIME, DUST, AND CHIPS, PEARL ESSENCE, AND CRAB SHELLS TO HOLD DEVILED CRABS.

NOTE:--SOME OF THE ABOVE PRODUCTS MAY HAVE BEEN MANUFACTURED FROM RAW PRODUCTS IMPORTED FROM FOREIGN COUNTRIES; THEREFORE, THEY CANNOT BE CORRELATED DIRECTLY WITH THE CATCH WITHIN THE UNITED STATES AND ITS TERRITORIES. THE LIME AND POULTRY FEED MANUFACTURED FROM SHELL PRODUCTS WERE PRODUCED FROM OYSTER SHELLS THAT ARE NOT INCLUDED IN THE CATCH STATISTICS.

SUMMARY OF MANUFACTURED FISHERY PRODUCTS, 1960

ITEM		QUANTITY	VALUE
PACKAGED PRODUCTS, FRESH AND FROZEN:			
FISH:			
NOT BREADED:			
FILLETS AND STEAKS, RAW.	POUNDS	153,166,328	$48,437.322
OTHER (INCLUDES WHALE MEAT FOR ANIMAL FEEDING).	DO	6,166,079	1,261,514
BREADED, RAW AND COOKED:			
STICKS	DO	65,141,771	28,670,813
FILLETS, PORTIONS, PAN DRESSED, ETC. . . .	DO	51,924,397	18,964,946
SHELLFISH:			
NOT BREADED.	DO	191,749,214	138,022,283
BREADED.	DO	84,220,610	57,411,990
SPECIALTIES:			
FISH	DO	9,826,014	4,634,251
SHELLFISH.	DO	22,025,908	18,408,263
TOTAL FRESH AND FROZEN	DO	584,220,321	315,811,382
CANNED:			
FISH, SHELLFISH, ETC., FOR HUMAN CONSUMPTION. .	DO	666,276,829	342,747,362
SALMON EGGS FOR BAIT	DO	717,504	868,688
ANIMAL FOOD.	DO	421,772,256	43,979,255
TOTAL BAIT AND ANIMAL FOOD	DO	422,489,760	44,847,943
TOTAL CANNED	DO	1,088,766,589	387,595,305
CURED FISH AND SHELLFISH:			
SALTED AND PICKLED	DO	34,760,069	14,104,021
SMOKED	DO	31,512,342	27,557,012
LUTEFISK (FROM DRIED COD).	DO	1,189,275	283,702
DRIED MACKEREL, TUNA, AND SHRIMP	DO	857,434	900,303
TOTAL CURED.	DO	68,319,120	42,845,038
BYPRODUCTS:			
MEAL AND SCRAP (2,000 POUNDS PER TON).	DO	580,274,000	25,281,588
OIL, BODY AND LIVER (7.5 POUNDS PER GALLON). .	DO	209,142,615	13,386,472
FISH SOLUBLES AND HOMOGENIZED CONDENSED FISH .	DO	197,858,000	4,020,992
OYSTER SHELL LIME AND POULTRY GRIT	DO	941,650,000	6,821,034
MARINE PEARL SHELL AND MUSSEL SHELL BUTTONS. .	GROSS	1,949,460	3,253,149
OTHER (AGAR-AGAR, GLUE, IRISH MOSS EXTRACT, KELP PRODUCTS, LIQUID FERTILIZER, MUSSEL SHELL LIME, DUST, AND CHIPS, PEARL ESSENCE, AND CRAB SHELLS).	-	-	13,831,917
TOTAL BYPRODUCTS	-	-	66,595,152
GRAND TOTAL.	-	-	812,846,877



CANNED FISHERY PRODUCTS AND BYPRODUCTS

The total pack of canned fishery products by 366 plants in the United States including American Samoa and Puerto Rico during 1960 amounted to 35 million cases (1.1 billion pounds) valued at $388 million. Compared with the previous year, this was an increase of over 3 million cases (114 million pounds) and $39 million. There was an increase in both the pack for human consumption and for animal food. Significant gains in the pack of animal food, tuna, salmon, and mackerel were primarily responsible for the overall increase in 1960. The value of three items--canned tuna, salmon, and animal food--accounted for 79 percent of the total revenue received by canners of fishery products.

Primarily because of the lower prices for fish meal brought on by record production and heavy imports in 1959, the total value of byproducts produced in 1960 dropped to nearly $67 million from a value of $82 million during the previous year. The 1960 byproducts value was the lowest since 1945.

Tuna:--The 1960 pack of tuna amounted to 15.3 million cases, a new record. The pack was up 7 percent in volume and 9 percent in value compared with the previous year.

Salmon:--The 1960 pack of salmon amounted to 2.8 million cases valued at $88.2 million. This represented an increase of 15 percent in volume and 23 percent in value. The increase in the Bristol Bay run of red salmon contributed chiefly to the increase. Failure of the runs elsewhere continued to plague the industry.

Mackerel:--The prevalence of these fish along the California coast, and the scarcity of sardines caused fishermen to devote more effort to this fishery during 1960. The pack of 935,000 cases was 59 percent greater in volume and 37 percent greater in value than in 1959.

Sardines:--The 1960 pack of Pacific sardines totaled 616,000 cases valued at $4.7 million. Compared with the previous year, this was a decline of 18 percent in volume and 14 percent in value. Scarcity of sardines and the appearance of greater quantities of mackerel resulted in fishermen devoting more time to fishing mackerel, thus reducing the sardine catch and pack.

The Maine pack of sardines of approximately 2 million cases valued at $16.7 million was up 14 percent in volume and 12 percent in value over the 1959 production. Landings of Maine herring, used principally for canning sardines, increased by approximately 30 percent or 35 million pounds, while imports increased by almost 10 million pounds.

Oysters:--The 1960 oyster pack totaling nearly 411,000 standard cases valued at $5.6 million, was about 11 million cases and $81,000 less than the previous year. With exception of 1958, the pack was the smallest since 1948. The 1960 production of oyster stew amounting to 122,000 cases was 15 percent less than the previous year.

Crabs:--The pack of crab meat amounting to 211,000 cases valued at $5.5 million was the largest pack since 1948. The pack represented a 40 percent increase in volume and 54 percent increase in value over the previous year's production. The pack of Dungeness, king, and blue crabs increased during 1960.

Clams:--The pack of clam products in 1960 set a new record of 2.1 million cases valued at $13.7 million. The pack represented a 5 percent increase in volume and a 3 percent increase in value over 1959. Continued expansion of the fishery along the Atlantic seaboard contributed chiefly to the increase.

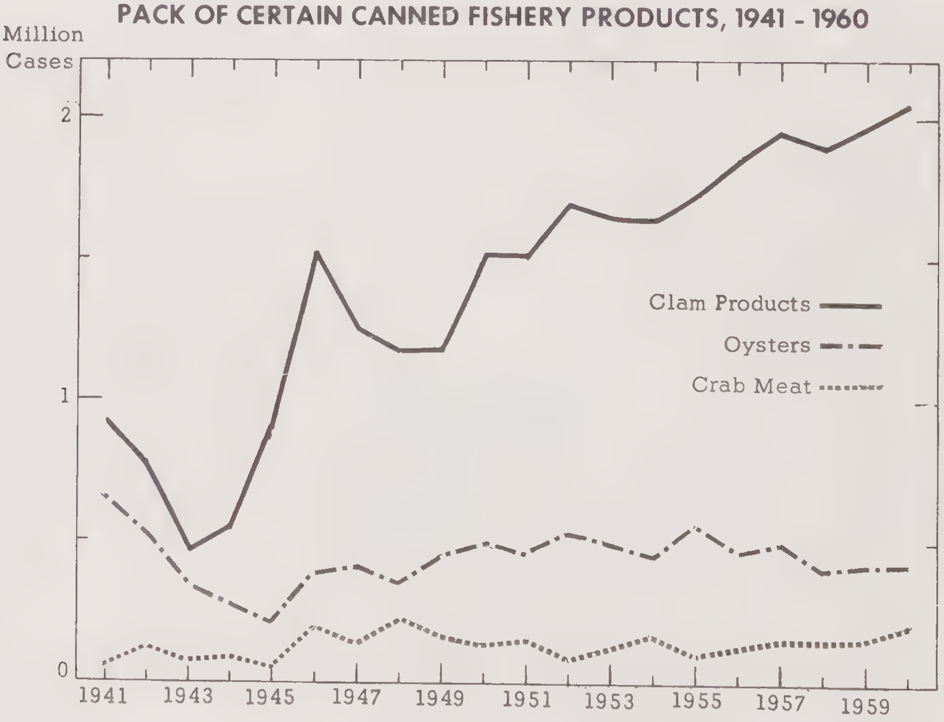
Shrimp:--A total of 45 plants--33 in Louisiana, Mississippi, Alabama, and Texas; 1 in Georgia; and 11 in Alaska, Washington, and Oregon--packed 951,000 standard cases of shrimp valued at $17.2 million in 1960. Compared with the previous year, this was an increase of 29,000 cases and $284,000. A drop in the market value and the decreased demand for the small shrimp, which makes up the bulk of the West Coast pack, were responsible for the decline in the Pacific coast pack to 79,000 cases from the 1959 record pack of 169,000 cases. Canned shrimp production in the eastern and southern States was 16 percent greater than in 1959.

Animal Food:--A record pack totaling nearly 9 million standard cases valued at $44 million was produced in 1960--over 1 million cases and $2 million greater than the previous record year of 1958. Only canned animal food processed with 10 pounds or more of raw fishery products per standard case (48 one-pound cans) are considered in these data. Over 95 percent of the pack was produced in four States--Mississippi, California, Massachusetts and Maine. Whole fish in the amount of 116 million pounds, and waste fish, 95 million pounds, were used in the production of canned animal food.

Byproducts:--Fish meal production in 1960 totaled 290,000 tons, 16,000 tons less than the record year of 1959, and 6,000 tons less than the previous high in 1956. Because of the depressed market for fish meal in 1960 the price per ton was the lowest since 1945. Nearly 28 million gallons of fish and marine animal oil were produced in 1960, 2.9 million gallons more than the previous year and the highest annual production since 1944. The average value of the oil was 9 percent less than during 1959. Fish solubles and homogenized condensed fish production in 1960 totaled 99,000 tons, 66,000 tons less than in 1959.

Products from oyster shells, and buttons from fresh-water and marine mollusk shells produced in 1960 were valued at $10 million. Other byproducts including agar-agar, glue, Irish moss extract, kelp products, liquid fertilizer, mollusk shell lime, etc., and pearl essence were valued at $13.8 million.

PACK OF CERTAIN CANNED FISHERY PRODUCTS, 1941 - 1960



SUMMARY OF PRODUCTION, BY COMMODITIES, 1960

PRODUCT	NUMBER OF PLANTS	STANDARD CASES	POUNDS PER CASE	POUNDS	VALUE
CANNED PRODUCTS:					
FOR HUMAN CONSUMPTION:					
SALMON	107	2,834,353	48	136,048,944	$88,196,930
SARDINES:					
MAINE	32	1,997,618	23.4	46,744,261	16,699,987
PACIFIC	15	615,865	45	27,713,925	4,658,747
TUNA:					
SOLID	35	3,557,512	21	74,707,752	49,007,311
CHUNKS	28	10,145,188	19.5	197,831,166	112,628,513
FLAKES AND GRATED	27	1,602,734	18	28,849,212	11,043,049
TOTAL	1/37	15,305,434	-	301,388,130	172,678,873
TUNALIKE FISHES	7	14,423	21-19.5-18	275,676	106,859
ALEWIVES	8	41,891	45	1,885,095	194,524
MACKEREL	15	934,746	45	42,063,570	5,803,965
SHAD	7	3,418	45	153,810	37,462
FISH CAKES (PRINCIPALLY GROUNDFISH)	4	77,930	48	3,740,640	1,068,631
FISH FLAKES (GROUNDFISH), PASTE AND SPREAD	9	16,939	48	813,072	506,608
GEFULLTE FISH	5	234,937	48	11,276,976	4,396,000
FISH, SMOKED AND KIPPERED (SALMON, STURGEON, SHAD, AND SABLEFISH)	23	1,596	48	76,608	121,522
TUNA SPECIALTIES (WITH NOODLES, SHERRY, BEANS, AND CREAMED SAUCE; AND SMOKED TUNA)	6	60,621	48	2,909,808	456,508
MISCELLANEOUS FISH SPECIALTIES	14	75,510	48	3,624,480	877,938
FISH ROE AND CAVIAR	25	51,159	48	2,455,632	1,860,699
CRAB MEAT, NATURAL	41	211,019	19.5	4,114,871	5,456,628
CRAB MEAT SPECIALTIES (COCKTAIL, DEVILED, SOFT SHELL, SPREAD, SMOKED, SOUP, AND NEWBURG)	7	8,078	48	387,744	116,277
LOBSTER SPECIALTIES (MEAT, SPREAD, DIP, THERMIDOR, SOUP, AND STEWS)	7	7,516	48	360,768	236,243
SHRIMP, NATURAL	45	951,219	15	2/14,268,285	17,232,593
SHRIMP SPECIALTIES (COCKTAIL, SOUPS, AND STEWS)	7	4,178	48	200,544	61,339
CLAMS AND PRODUCTS:					
WHOLE	13	26,823	15	3/402,345	288,317
MINCED	18	714,392	15	3/10,715,880	4,819,993
CHOWDER	14	1,253,129	30	3/37,593,870	8,145,155
JUICE	10	63,096	30	3/1,892,880	422,204
TOTAL	1/36	2,057,440	-	3/50,604,975	13,675,669
CLAM SPECIALTIES (DIP, FRITTERS, SPREAD, SAUCES, SOUPS, AND STEWS)	10	36,598	48	1,756,704	507,765
CONCH MEAT AND CHOWDER	4	6,042	48	290,016	130,270
OYSTERS, NATURAL	31	410,521	14	2/5,747,294	5,640,280
OYSTER SPECIALTIES (SMOKED, STEW, BISQUE, AND SOUP)	16	125,748	48	6,035,904	1,675,036
SQUID	3	15,637	48	750,576	73,638
TERRAPIN AND TURTLE (MEAT, SOUP, AND STEW)	6	13,455	48	645,840	237,526
MISCELLANEOUS SHELLFISH SPECIALTIES	6	1,676	48	80,448	38,845
TOTAL FOR HUMAN CONSUMPTION	1/328	26,115,567	-	666,414,596	342,747,362
BAIT AND ANIMAL FOOD:					
ANIMAL FOOD	52	8,786,922	48	421,772,256	43,979,255
SALMON EGGS FOR BAIT	8	14,948	48	717,504	868,688
TOTAL BAIT AND ANIMAL FOOD	60	8,801,870	-	422,489,760	44,847,943
GRAND TOTAL, CANNED	1/366	34,917,437	-	1,088,904,356	387,595,305
		UNIT		QUANTITY	VALUE
BYPRODUCTS:					
MARINE ANIMAL MEAL AND SCRAP	115	TONS		290,137	$25,281,588
MARINE ANIMAL OILS:					
BODY OIL	79	GALLONS		27,852,975	13,036,659
LIVER OIL	4	DO		32,707	349,813
MARINE PEARL SHELL BUTTONS	14	GROSS		1,426,369	2,675,928
MUSSEL SHELL BUTTONS	8	DO		523,091	577,221
OYSTER SHELL PRODUCTS	17	TONS		470,825	6,821,034
FISH SOLUBLES AND HOMOGENIZED CONDENSED FISH	42	TONS		98,929	4,020,992
MISCELLANEOUS BYPRODUCTS	19	-		-	13,831,917
TOTAL BYPRODUCTS	1/181	-		-	66,595,152
GRAND TOTAL	1/505	-		-	454,190,457

1/ EXCLUSIVE OF DUPLICATION. 2/ DRAINED WEIGHT. 3/ "CUT OUT" OR "DRAINED" WEIGHTS OF CAN CONTENTS ARE GIVEN FOR WHOLE OR MINCED CLAMS, AND NET CAN CONTENTS FOR OTHER CLAM PRODUCTS.

SUMMARY OF PRODUCTION, 1960

STATE	CANNED		BYPRODUCTS	TOTAL
	POUNDS	VALUE	VALUE	VALUE
MAINE	121,221,358	$27,882,996	$4,220,516	$32,103,512
MASSACHUSETTS, RHODE ISLAND, CONNECTICUT	69,259,944	6,666,217	4,534,472	11,200,689
NEW YORK	6,483,645	2,946,087	1,897,421	4,843,508
NEW JERSEY	37,766,010	11,497,700	6,153,451	17,651,151
PENNSYLVANIA, DELAWARE	10,520,016	2,231,059	4,782,343	7,013,402
MARYLAND, AMERICAN SAMOA, HAWAII, PUERTO RICO	63,753,679	36,932,957	2,088,086	39,021,043
VIRGINIA	5,723,529	644,216	3,584,114	4,228,330
NORTH CAROLINA, SOUTH CAROLINA	2,150,887	1,736,234	3,474,572	5,210,806
GEORGIA, FLORIDA, ALABAMA	621,994	705,055	3,944,944	4,649,999
MISSISSIPPI	145,468,909	20,453,558	3,698,536	24,152,094
LOUISIANA, TEXAS	12,980,444	13,370,641	12,802,344	26,172,985
ILLINOIS, IOWA, MISSOURI, MICHIGAN, OHIO, WISCONSIN	2,624,880	463,331	630,980	1,094,311
ALASKA	126,923,766	81,301,573	1,228,691	82,530,264
WASHINGTON	28,942,854	17,138,743	154,719	17,293,462
OREGON	29,533,934	18,723,750	429,546	19,153,296
CALIFORNIA	424,928,507	144,901,188	12,970,417	157,871,605
TOTAL	1,088,904,356	387,595,305	66,595,152	454,190,457

FACTORS USED TO CONVERT STANDARD CASES TO POUNDS

PRODUCTS	PRIOR TO 1939	1939 AND 1940	1941	1942	1943	1944 TO 1947	1948 TO 1951	1952	1953 TO 1957	1958 TO 1960
	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE
SARDINES:										
MAINE	25	25	25	25.3	20.3	20.3	20.3	20.3	20.3	23.4
PACIFIC	48	48	48	45	45	45	45	45	45	45
TUNA AND TUNALIKE FISHES:										
SOLID	24	24	21	22.5	22.5	21	21	21	21	21
CHUNKS	-	-	-	-	-	(1)	(1)	19.5	19.5	19.5
FLAKES	24	24	21	18	18	18	18	18	18	18
MACKEREL	48	48	48	45	45	45	45	45	45	45
ALEWIVES	48	48	48	48	45	45	45	45	45	45
ANCHOVIES	48	48	48	48	48	48	48	48	31.25	31.25
SHAD	48	48	48	48	48	45	45	45	45	45
FISH FLAKES	48	48	48	48	48	42	42	42	48	48
OYSTERS	15	15	15	15	22.5	22.5	14	14	14	14
SHRIMP:										
WET PACK	17.25	17.25	17.25	21	21	21	15	15	15	15
DRY PACK	15	15	15	19.5	19.5	-	-	15	15	15
CLAM PRODUCTS:										
WHOLE AND MINCED	15	15	15	15	15	15	15	15	15	15
JUICE, CHOWDER, BROTH, ETC.	30	30	30	30	30	30	30	30	30	30
CRABS	48	39	39	39	39	39	19.5	19.5	19.5	19.5
ALL OTHER	48	48	48	48	48	48	48	48	48	48

1/ PRIOR TO 1952 CHUNK PACK TUNA WAS INCLUDED WITH THE FLAKE PACK.

NOTE:--THE FACTORS LISTED ABOVE WERE USED IN CONVERTING THE STANDARD CASES REPORTED IN THE CANNED FISHERY PRODUCTS REPORTS, FOR THE YEARS INDICATED.

PLANTS PRODUCING CANNED PRODUCTS AND BYPRODUCTS, 1960

AREA AND STATE	CANNED PRODUCTS	BYPRODUCTS	TOTAL PLANTS, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER
NEW ENGLAND:			
MAINE	41	15	52
MASSACHUSETTS	9	6	13
RHODE ISLAND	1	1	2
CONNECTICUT	1	1	2
TOTAL	52	23	69
MIDDLE ATLANTIC:			
NEW YORK	10	4	14
NEW JERSEY	13	13	26
PENNSYLVANIA	8	2	10
DELAWARE	1	3	4
TOTAL	32	22	54
CHESAPEAKE BAY:			
MARYLAND	4	10	13
VIRGINIA	9	20	25
TOTAL	13	30	38
SOUTH ATLANTIC AND GULF:			
NORTH CAROLINA	6	18	20
SOUTH CAROLINA	3	-	3
GEORGIA	1	1	2
FLORIDA	2	5	7
ALABAMA	2	1	3
MISSISSIPPI	15	5	19
LOUISIANA	28	9	35
TEXAS	3	6	9
TOTAL	60	45	98
GREAT LAKES AND MISSISSIPPI RIVER:			
ILLINOIS	1	1	2
IOWA	-	6	6
MICHIGAN	2	-	2
MISSOURI	-	1	1
OHIO	1	-	1
WISCONSIN	1	-	1
TOTAL	5	8	13
PACIFIC COAST:			
ALASKA	85	5	90
WASHINGTON	65	12	77
OREGON	18	4	19
CALIFORNIA	32	29	43
TOTAL	200	50	229
HAWAII	1	1	1
AMERICAN SAMOA	1	1	1
PUERTO RICO	2	1	2
GRAND TOTAL	366	181	505

CANNED SALMON

PACK OF SALMON, BY STATES, 1960

(STANDARD CASES)

SPECIES AND CAN SIZE	ALASKA		WASHINGTON		OREGON AND CALIFORNIA		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
CHINOOK OR KING:								
1-POUND TALL	23,076	$679,822	1,031	$25,994	357	$18,569	24,464	$724,385
1/2-POUND FLAT	23,834	933,756	7,892	304,223	1/36,531	1/1,642,644	68,257	2,880,623
1/4-POUND FLAT	22	1,100	780	42,658	6,528	389,748	7,330	433,506
4-POUND TALL	21	687	107	2,782	-	-	128	3,469
TOTAL	46,953	1,615,365	9,810	375,657	2/43,416	2/2,050,961	100,179	4,041,983
CHUM OR KETA:								
1-POUND TALL	538,917	11,876,931	32,453	730,738	933	21,459	572,303	12,629,128
1/2-POUND FLAT	31,700	743,473	9,811	232,815	190	4,572	41,701	980,860
1/4-POUND FLAT	-	-	27	830	-	-	27	830
4-POUND TALL	11,718	264,558	8,039	197,707	-	-	19,757	462,265
TOTAL	582,335	12,884,962	50,330	1,162,090	1,123	26,031	633,788	14,073,083
PINK:								
1-POUND TALL	596,747	14,806,403	29	799	-	-	596,776	14,807,202
1/2-POUND FLAT	64,408	1,769,449	1,779	53,274	-	-	66,137	1,822,723
1/4-POUND FLAT	-	-	22	900	-	-	22	900
4-POUND TALL	20,573	544,794	1,946	51,858	-	-	22,519	596,652
TOTAL	681,728	17,120,646	3,776	106,831	-	-	685,504	17,227,477
RED OR SOCKEYE:								
1-POUND TALL	912,343	30,703,753	-	-	-	-	912,343	30,703,753
1/2-POUND FLAT	268,161	11,716,657	63,162	3,091,203	1,558	81,231	332,881	14,889,091
1/4-POUND FLAT	998	52,043	61,524	3,420,937	5,677	344,766	68,199	3,817,746
4-POUND TALL	2,940	104,678	65	2,374	-	-	3,005	107,052
TOTAL	1,184,442	42,577,131	124,751	6,514,514	7,235	425,997	1,316,428	49,517,642
SILVER OR COHO:								
1-POUND TALL	54,315	1,597,720	141	4,225	19	684	54,475	1,602,629
1/2-POUND FLAT	18,398	639,477	6,305	217,973	534	20,190	25,237	877,640
1/4-POUND FLAT	311	14,510	5,535	286,908	3,298	167,755	9,144	469,173
4-POUND TALL	2,674	85,141	750	26,859	-	-	3,424	112,000
TOTAL	75,698	2,336,848	12,731	535,965	3,851	188,629	92,280	3,061,442
STEELHEAD:								
1/2-POUND FLAT	-	-	-	-	1,366	54,640	1,366	54,640
1/4-POUND FLAT	-	-	-	-	4,808	220,663	4,808	220,663
TOTAL	-	-	-	-	6,174	275,303	6,174	275,303
GRAND TOTAL	2,571,156	76,534,952	201,398	8,695,057	61,799	2,966,921	2,834,353	88,196,930

1/ INCLUDES A SMALL PACK PRODUCED IN CALIFORNIA.

2/ INCLUDES A SMALL QUANTITY PACKED IN OVAL CANS.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT 1-POUND CANS, EACH CONTAINING 16 OUNCES. SALMON WERE CANNED IN 25 PLANTS IN WASHINGTON, 10 IN OREGON, 1 IN CALIFORNIA, AND 71 IN ALASKA. THE PACK OF SMOKED SALMON IS INCLUDED IN THE TABLE OF MISCELLANEOUS CANNED PRODUCTS.

ALASKAN PACK OF SALMON, BY DISTRICTS, 1960

(STANDARD CASES)

SPECIES AND CAN SIZE	SOUTHEASTERN ALASKA		CENTRAL ALASKA		WESTERN ALASKA		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
CHINOOK OR KING:								
1-POUND TALL	856	$25,726	3,130	$91,685	19,090	$562,411	23,076	$679,822
1/2-POUND FLAT	55	1,917	9,325	338,767	14,454	593,072	23,834	933,756
1/4-POUND FLAT	-	-	-	-	22	1,100	22	1,100
4-POUND TALL	1	27	-	-	20	660	21	687
TOTAL	912	27,670	12,455	430,452	33,586	1,157,243	46,953	1,615,365
CHUM OR KETA:								
1-POUND TALL	92,431	1,997,461	353,924	7,934,080	92,562	1,945,390	538,917	11,876,931
1/2-POUND FLAT	12,337	292,482	4,374	109,249	14,989	341,742	31,700	743,473
4-POUND TALL	8,156	179,110	3,522	84,528	40	920	11,718	264,558
TOTAL	112,924	2,469,053	361,820	8,127,857	107,591	2,288,052	582,335	12,884,962
PINK:								
1-POUND TALL	105,908	2,605,086	481,525	11,982,025	9,314	219,292	596,747	14,806,403
1/2-POUND FLAT	28,111	754,382	32,911	923,718	3,386	91,349	64,408	1,769,449
4-POUND TALL	5,979	150,787	14,532	392,364	62	1,643	20,573	544,794
TOTAL	139,998	3,510,255	528,968	13,298,107	12,762	312,284	681,728	17,120,646
RED OR SOCKEYE:								
1-POUND TALL	17,724	610,504	140,918	4,917,575	753,701	25,175,674	912,343	30,703,753
1/2-POUND FLAT	25,576	1,123,583	105,824	4,864,390	136,761	5,728,684	268,161	11,716,657
1/4-POUND FLAT	998	52,043	-	-	-	-	998	52,043
4-POUND TALL	386	12,734	1,475	53,100	1,079	38,844	2,940	104,678
TOTAL	44,684	1,798,864	248,217	9,835,065	891,541	30,943,202	1,184,442	42,577,131
SILVER OR COHO:								
1-POUND TALL	7,202	214,878	45,361	1,331,420	1,752	51,422	54,315	1,597,720
1/2-POUND FLAT	10,179	355,166	6,830	239,968	1,389	44,343	18,398	639,477
1/4-POUND FLAT	311	14,510	-	-	-	-	311	14,510
4-POUND TALL	1,473	47,826	1,159	35,929	42	1,386	2,674	85,141
TOTAL	19,165	632,380	53,350	1,607,317	3,183	97,151	75,698	2,336,848
GRAND TOTAL	317,683	8,438,222	1,204,810	33,298,798	1,048,663	34,797,932	2,571,156	76,534,952

SEE NOTE ON PAGE 44.

WASHINGTON AND OREGON SALMON PACK, BY DISTRICTS, 1960

(STANDARD CASES)

SPECIES	PUGET SOUND		COLUMBIA RIVER		COASTAL		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
CHINOOK OR KING. . .	2,535	$84,101	50,285	$2,328,334	1/406	$14,183	53,226	$2,426,618
CHUM OR KETA	48,003	1,109,717	2,459	56,166	991	22,238	51,453	1,188,121
PINK	3,776	106,831	-	-	-	-	3,776	106,831
RED OR SOCKEYE . . .	122,317	6,394,924	8,650	496,451	1,019	49,136	131,986	6,940,511
SILVER OR COHO . . .	11,286	476,776	5,202	244,344	94	3,474	16,582	724,594
STEELHEAD.	-	-	6,174	275,303	-	-	6,174	275,303
TOTAL	187,917	8,172,349	72,770	3,400,598	2,510	89,031	263,197	11,661,978

1/ INCLUDES A SMALL QUANTITY PRODUCED IN CALIFORNIA.

PUGET SOUND SALMON PACK, BY ORIGIN OF FISH, 1960

(STANDARD CASES)

SPECIES	PUGET SOUND FISH	CANADIAN FISH	ALASKAN FISH	TOTAL FISH
	CASES	CASES	CASES	CASES
CHINOOK OR KING.	1,942	486	107	2,535
CHUM OR KETA	7,121	37,246	3,636	48,003
PINK	1/618	-	3,158	3,776
RED OR SOCKEYE	95,884	-	26,433	122,317
SILVER OR COHO	1/6,218	404	4,664	11,286
TOTAL	111,783	38,136	37,998	187,917

1/ A SMALL QUANTITY OF CALIFORNIA FISH IS INCLUDED WITH THE PUGET SOUND FISH.

PACK OF MAINE SARDINES, 1960

STYLE OF PACK	STANDARD CASES	VALUE
SOYBEAN OIL.	1,701,760	$14,298,773
MUSTARD SAUCE.	240,360	1,965,188
TOMATO SAUCE	33,054	198,875
OLIVE OIL.	10,613	111,466
CHILI PEPPERS.	7,048	70,480
OTHER 1/	4,783	55,205
TOTAL	1,997,618	16,699,987

CAN CONTENTS AND CASE SIZE	ACTUAL CASES	VALUE
3-3/4 OUNCES NET (100 CANS). .	1,933,086	$16,330,761
12 OUNCES NET (48 CANS). . . .	12,843	118,803
15 OUNCES NET (48 CANS). . . .	13,332	99,852
OTHER SIZES (CONVERTED TO 3-3/4 OUNCES NET - 100 CANS).	19,207	150,571
TOTAL	1,978,468	16,699,987

1/ INCLUDES SARDINES IN CHILI SAUCE, COCKTAIL SAUCE, AND PEANUT OIL, AND SMOKED SARDINES IN SOY OIL.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE UNIFORM BASIS OF ONE HUNDRED 1/4 OIL CANS (3-3/4 OUNCES NET) TO THE CASE. SARDINES WERE CANNED IN 32 PLANTS IN MAINE.

PACK OF PACIFIC SARDINES, 1960

STYLE OF PACK	STANDARD CASES	VALUE
NATURAL.	168,401	$991,151
IN TOMATO SAUCE. . . .	385,861	3,150,485
IN MUSTARD SAUCE . . .	41,443	328,860
OTHER (IN TOMATO AND OLIVE OIL, SPICED, AND NATURAL FILLETS).	20,160	188,251
TOTAL	615,865	4,658,747

CAN CONTENTS AND CASE SIZE	ACTUAL CASES	VALUE
1 POUND CAN:		
15 OUNCES NET, OVAL (48 CANS)	357,461	$2,763,549
15 OUNCES NET, TALL (48 CANS)	178,784	1,053,830
8 OUNCES NET (48 CANS).	39,123	270,418
OTHER SIZES (CONVERTED TO STANDARD CASES).	58,755	570,950
TOTAL.	634,123	4,658,747

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE UNIFORM BASIS OF FORTY-EIGHT 1-POUND CANS (15 OUNCES NET). SARDINES WERE CANNED IN 15 PLANTS IN CALIFORNIA.

PACK OF TUNA, 1960

(STANDARD CASES)

SPECIES	CALIFORNIA		WASHINGTON AND OREGON		ATLANTIC COAST, HAWAII, AND U.S. TERRITORIES		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
ALBACORE:								
SOLID PACK. . . .	1,169,603	$15,084,502	780,336	$11,525,321	621,420	$9,192,342	2,571,359	$35,802,165
CHUNKS.	540,607	6,591,866	80,397	1,010,933	389,768	4,772,085	1,010,772	12,374,884
FLAKES AND GRATED	222,673	1,564,163	139,950	915,565	131,709	943,860	494,332	3,423,588
TOTAL.	1,932,883	23,240,531	1,000,683	13,451,819	1,142,897	14,908,287	4,076,463	51,600,637
LIGHT MEAT:								
SOLID PACK. . . .	725,099	9,692,039	11,373	136,650	85,032	1,114,280	821,504	10,942,969
CHUNKS.	7,036,146	77,045,320	435,173	4,250,819	1,663,097	18,957,490	9,134,416	100,253,629
FLAKES AND GRATED	857,349	5,986,217	26,311	184,177	224,742	1,449,067	1,108,402	7,619,461
TOTAL.	8,618,594	92,723,576	472,857	4,571,646	1,972,871	21,520,837	11,064,322	118,816,059
UNCLASSIFIED, TONNO, SOLID PACK.	163,434	2,244,428	-	-	1,215	17,749	164,649	2,262,177
GRAND TOTAL. .	10,714,911	118,208,535	1,473,540	18,023,465	3,116,983	36,446,873	15,305,434	172,678,873

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT NO. 1/2 TUNA CANS TO THE CASE, EACH CONTAINING 7 OUNCES NET WEIGHT OF SOLID PACK, 6-1/2 OUNCES NET WEIGHT OF CHUNKS, OR 6 OUNCES NET WEIGHT OF FLAKES OR GRATED. DIETETIC AND BABY FOOD TUNA PACKS ARE INCLUDED IN THESE TOTALS. TUNA WERE CANNED IN 14 PLANTS IN CALIFORNIA, 9 PLANTS IN OREGON, 7 PLANTS IN WASHINGTON, 2 PLANTS IN PUERTO RICO, AND 1 PLANT EACH IN MAINE, PENNSYLVANIA, MARYLAND, AMERICAN SAMOA, AND HAWAII. DATA ON THE PACK OF TUNA AND NOODLES AND OTHER TUNA SPECIALTIES CAN BE FOUND IN THE TABLE OF MISCELLANEOUS CANNED FISHERY PRODUCTS.

PACK OF TUNA, BY CAN SIZES, 1960

CAN AND CASE SIZE		ACTUAL CASES	VALUE
4-POUND.	(12 CANS)	41,536	$973,258
1-POUND.	(48 CANS)	173,322	3,838,529
1/2-POUND.	(48 CANS)	13,267,326	148,269,175
1/4-POUND.	(48 CANS)	1,027,909	8,268,520
9-1/2 OUNCES	(24 CANS)	846,115	7,073,534
OTHER SIZES (CONVERTED TO STANDARD CASES).		492,429	4,255,857
TOTAL		15,848,637	172,678,873

PACK OF TUNALIKE FISHES, 1960

SPECIES	STANDARD CASES	VALUE
BONITO AND YELLOWTAIL:		
SOLID PACK AND FLAKES.	6,573	$45,773
CHUNKS	7,850	61,086
TOTAL	14,423	106,859

NOTE:--"STANDARD CASES" REPRESENT THE EQUIVALENT OF FORTY-EIGHT NO. 1/2 TUNA CANS TO THE CASE, EACH CONTAINING 7 OUNCES NET WEIGHT OF SOLID PACK, 6 TO 6-1/2 OUNCES NET WEIGHT OF CHUNKS, OR 6 OUNCES NET WEIGHT OF FLAKES OR GRATED. TUNALIKE FISHES WERE CANNED IN 7 PLANTS IN CALIFORNIA.

PACK OF ALEWIVES, 1960

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE
MARYLAND (1), VIRGINIA (6), NORTH CAROLINA (1), TOTAL (8)	1/41,891	1/ $194,524

1/ INCLUDES A SMALL PACK OF ALEWIVES WITH ROE.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF 48 CANS OF 15 OUNCES EACH. PRACTICALLY THE ENTIRE PACK WAS CANNED IN 15-OUNCE CANS.

PACK OF MACKEREL, 1960

ITEM	STANDARD CASES	VALUE
JACK MACKEREL:		
NATURAL	592,553	$3,573,091
IN TOMATO SAUCE	30,159	250,246
TOTAL	622,712	3,823,337
PACIFIC MACKEREL:		
NATURAL	298,665	1,858,858
IN TOMATO SAUCE	13,369	121,770
TOTAL	312,034	1,980,628
GRAND TOTAL	934,746	5,803,965

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF 48 CANS OF 15 OUNCES EACH. MOST OF THE PACK WAS CANNED IN 15-OUNCE CANS. MACKEREL WERE CANNED IN 15 PLANTS IN CALIFORNIA.

PACK OF SHAD, 1960

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE
MARYLAND (1), NORTH CAROLINA (1), WASHINGTON (1), OREGON (4), TOTAL (7)	3,418	$37,462

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF 48 CANS OF 15 OUNCES EACH.

PACK OF ANIMAL FOOD FROM FISHERY PRODUCTS, 1960

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE
MAINE (2), MASSACHUSETTS (5)	2,524,936	$11,981,608
NEW YORK (1), NEW JERSEY (1), PENNSYLVANIA (3)	99,906	338,221
MARYLAND (1), VIRGINIA (1), NORTH CAROLINA (1)	86,334	427,237
MISSISSIPPI (5)	2,933,772	14,425,922
TEXAS (1), ILLINOIS (1), MICHIGAN (1)	67,748	335,927
WASHINGTON (2), OREGON (4)	134,343	783,814
CALIFORNIA (21), AMERICAN SAMOA (1), PUERTO RICO (1)	2,939,883	15,686,526
TOTAL (52)	8,786,922	43,979,255

CAN AND CASE SIZE	ACTUAL CASES	VALUE
6-1/2 OUNCES NET (48 CANS)	107,139	$386,326
8 OUNCES NET (48 CANS)	4,533,838	16,457,065
16 OUNCES NET (48 CANS)	6,296,769	26,238,504
OTHER SIZES CONVERTED TO STANDARD CASES (16 OUNCES NET-48 CANS)	179,709	897,360
TOTAL	11,117,455	43,979,255

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF 48 CANS, EACH CONTAINING 16 OUNCES.

PACK OF FISH ROE AND CAVIAR, 1960

PRODUCT AND NUMBER OF PLANTS	STANDARD CASES	VALUE	STATES OF PRODUCTION AND NUMBER OF PLANTS
ALEWIFE ROE (14)	33,427	$426,036	MARYLAND (1), VIRGINIA (9), AND NORTH CAROLINA (4)
SHAD ROE (7)	862	97,034	MARYLAND (1), WASHINGTON (1), OREGON (4), AND CALIFORNIA (1)
SALMON CAVIAR (3)	5,032	314,558	NEW YORK (3)
WHITEFISH (4), LUMPFISH (1), AND STURGEON CAVIAR (1); AND GROUNDFISH ROE	11,838	1,023,071	MASSACHUSETTS (1), NEW YORK (3), AND WISCONSIN (1)
TOTAL EDIBLE ROE AND CAVIAR (25)	51,159	1,860,699	
SALMON EGGS FOR BAIT (8)	14,948	868,688	WASHINGTON (8)
GRAND TOTAL (33)	66,107	2,729,387	

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF 48 CANS, EACH CONTAINING 16 OUNCES.

PACK OF FISH ROE AND CAVIAR, BY STATES, 1960

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE
MASSACHUSETTS (1), NEW YORK (3)	15,825	$1,275,908
MARYLAND (1), VIRGINIA (9)	22,272	286,294
NORTH CAROLINA (4)	11,217	146,640
WASHINGTON (9)	14,988	872,954
OREGON (4), WISCONSIN (1), CALIFORNIA (1)	1,805	147,591
TOTAL (33)	66,107	2,729,387

PACK OF CRAB MEAT, 1960

STATE AND NUMBER OF PLANTS	SPECIES	STANDARD CASES	VALUE
ATLANTIC AND GULF STATES:			
MAINE (1), NORTH CAROLINA (1), SOUTH CAROLINA (1), ALABAMA (1), MISSISSIPPI (4), AND LOUISIANA (2), TOTAL (10)	BLUE	[1]54,242	$1,125,977
PACIFIC STATES:			
WASHINGTON (10)	DUNGENESS	28,154	654,033
OREGON (3), AND CALIFORNIA (1)	DUNGENESS	6,255	164,775
ALASKA (10)	DUNGENESS	22,263	561,738
ALASKA (7)	KING	100,105	2,950,105
TOTAL (31)		156,777	4,330,651
GRAND TOTAL (41)		211,019	5,456,628

CAN CONTENTS AND CASE SIZE	ACTUAL CASES	VALUE
6-1/2 OUNCES NET (24 CANS)	303,801	$3,828,037
6-1/2 OUNCES NET (48 CANS)	32,702	859,262
13 OUNCES NET (24 CANS)	21,314	648,097
OTHER SIZES CONVERTED TO STANDARD CASES	5,104	121,232
TOTAL	362,921	5,456,628

[1] INCLUDES A SMALL QUANTITY OF ROCK CRABS PACKED IN MAINE.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF 48 CANS TO THE CASE, EACH CONTAINING 6-1/2 OUNCES.

PACK OF CLAMS AND CLAM PRODUCTS, 1960

(STANDARD CASES)

SPECIES	WHOLE AND MINCED		CHOWDER AND JUICE		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE
CLAMS:						
HARD, SOFT AND SURF	717,907	$4,640,237	1,316,225	$8,567,359	2,034,132	$13,207,596
CLAMS (INCLUDES COCKLES IN ALASKA)	23,308	468,073	-	-	23,308	468,073
TOTAL.	741,215	5,108,310	1,316,225	8,567,359	2,057,440	13,675,669

NOTE:--CLAMS WERE CANNED IN 8 PLANTS IN WASHINGTON, 6 PLANTS IN MAINE, 5 PLANTS IN NEW JERSEY, 4 PLANTS IN ALASKA, 3 PLANTS EACH IN NEW YORK AND OREGON, 2 PLANTS IN PENNSYLVANIA, 1 PLANT EACH IN MASSACHUSETTS, CONNECTICUT, RHODE ISLAND, DELAWARE, AND CALIFORNIA. "STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF 48 NO. 1 PICNIC CANS, EACH CAN OF WHOLE OR MINCED CLAMS CONTAINING 5 OUNCES OF MEAT, DRAINED WEIGHT; AND EACH CAN OF CHOWDER, JUICE, BROTH, BOUILLON, OR NECTAR, 10 OUNCES NET CONTENT. THE PACK OF CLAMS CANNED IN THE SHELL IS NOT INCLUDED IN THIS TABLE.

CLAM PRODUCTION, BY TYPE OF PACK, 1960

PRODUCT AND NUMBER OF PLANTS	STANDARD CASES	POUNDS	VALUE
WHOLE CLAMS (12).	26,823	402,345	$288,317
MINCED CLAMS (18)	714,392	10,715,880	4,819,993
CHOWDER (14).	1,253,129	37,593,870	8,145,155
JUICE (INCLUDES BOUILLON, BROTH, AND NECTAR) (10)	63,096	1,892,880	422,204
TOTAL (36) 1/	2,057,440	50,604,975	13,675,669

1/ EXCLUSIVE OF DUPLICATION.

PACK OF OYSTERS, 1960

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE
ATLANTIC AND GULF STATES:		
NEW JERSEY (1), SOUTH CAROLINA (2), AND GEORGIA (1).	59,450	$895,736
MISSISSIPPI (9), ALABAMA (2)	66,762	1,018,774
LOUISIANA (11).	186,693	2,436,811
TOTAL.	312,905	4,351,321
PACIFIC STATES:		
WASHINGTON (4), OREGON (1).	97,616	1,288,959
GRAND TOTAL (31)	410,521	5,640,280

CAN CONTENTS AND CASE SIZE	ACTUAL CASES	VALUE
ATLANTIC AND GULF STATES:		
4-2/3 OUNCES (24 CANS). . . .	524,218	$3,590,811
6-1/2 OUNCES (24 CANS). . . .	59,301	614,855
OTHER SIZES CONVERTED TO STANDARD CASES	9,498	145,655
TOTAL.	593,017	4,351,321
PACIFIC STATES:		
4-2/3 OUNCES (24 CANS). . . .	65,857	473,403
6-1/2 OUNCES (24 CANS). . . .	88,422	780,499
OTHER SIZES CONVERTED TO STANDARD CASES	3,108	35,057
TOTAL.	157,387	1,288,959
GRAND TOTAL.	750,404	5,640,280

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF 48 CANS TO THE CASE, EACH CAN CONTAINING 4-2/3 OUNCES DRAINED WEIGHT.

PACK OF SHRIMP, 1960

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE
ATLANTIC AND GULF STATES:		
GEORGIA (1), ALABAMA (1), AND TEXAS (2)	65,775	$1,139,369
MISSISSIPPI (12)	232,844	4,781,318
LOUISIANA (18)	573,354	10,071,609
TOTAL (34)	871,973	15,992,296
PACIFIC STATES:		
WASHINGTON (3), OREGON (2)	27,997	462,928
ALASKA (6)	51,249	777,369
TOTAL (11)	79,246	1,240,297
GRAND TOTAL (45)	951,219	17,232,593

CAN CONTENTS AND CASE SIZE	ACTUAL CASES	VALUE
ATLANTIC AND GULF STATES:		
3-OUNCES (48 CANS)	26,364	$320,008
4-1/2 OUNCES (24 CANS)	1,390,031	11,788,791
5-OUNCES (24 CANS)	603,404	4,972,095
OTHER SIZES (INCLUDING ALASKA PACK) CONVERTED TO STANDARD CASES	8,185	151,699
TOTAL	2,027,984	17,232,593

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF 48 CANS TO THE CASE, EACH CAN CONTAINING 5 OUNCES.

PACK OF MISCELLANEOUS FISHERY PRODUCTS, 1960

PRODUCT	STANDARD CASES	VALUE	LOCATION AND NUMBER OF PLANTS
FISH:			
CAKES (PRINCIPALLY GROUNDFISH)	77,930	$1,068,631	MAINE (1), MASSACHUSETTS (1), NEW JERSEY (1), WASHINGTON (1)
FLAKES (PRINCIPALLY GROUNDFISH), PASTE, AND SPREAD	16,939	506,608	MAINE (2), MASSACHUSETTS (1), NEW YORK (3), MARYLAND (1), EAST COAST OF FLORIDA (1), MICHIGAN (1)
GEFULLTE FISH	234,937	4,396,000	NEW YORK (2), NEW JERSEY (3)
SMOKED OR KIPPERED:			
SALMON	1,191	94,578	WASHINGTON (7), OREGON (5), CALIFORNIA (1), ALASKA (6)
STURGEON, SHAD, AND SABLEFISH	405	26,944	WASHINGTON (6), OREGON (4)
TUNA SPECIALTIES (WITH NOODLES, SHERRY, BEANS, AND CREAMED SAUCE; AND SMOKED TUNA)	60,621	456,508	MAINE (1), WASHINGTON (1), OREGON (1), CALIFORNIA (3)
OTHER SPECIALTIES (ANCHOVIES, SALTED COD, CREAMED FINNAN HADDIE, THREAD HERRING, PACIFIC HERRING, ATLANTIC MACKEREL, SALMON LIVERS, WAHOO, WHITEFISH, FISH APPETIZERS, AND FISH CHOWDER)	75,510	877,938	MAINE (2), MASSACHUSETTS (2), NEW JERSEY (2), VIRGINIA (1), MICHIGAN (1), WEST COAST OF FLORIDA (1), WASHINGTON (1), CALIFORNIA (3), AMERICAN SAMOA (1)
TOTAL FISH	467,533	7,427,207	
SHELLFISH:			
CRAB SPECIALTIES (COCKTAIL, DEVILED, SOFT SHELL, SPREAD, SMOKED, SOUP, AND NEWBURG)	8,078	116,277	MAINE (1), NEW JERSEY (1), MARYLAND (2), SOUTH CAROLINA (1), WASHINGTON (2)
LOBSTER SPECIALTIES (MEAT, SPREAD, DIP, THERMIDOR, SOUP, AND STEWS)	7,516	236,243	MAINE (1), MASSACHUSETTS (1), CONNECTICUT (1), NEW JERSEY (3), MARYLAND (1)
SHRIMP SPECIALTIES (COCKTAIL, SOUPS, AND STEWS)	4,178	61,339	NEW JERSEY (2), MARYLAND (2), LOUISIANA (2), WASHINGTON (1)
CLAM SPECIALTIES (DIP, FRITTERS, SPREAD, SAUCE, SOUPS, AND STEWS)	36,598	507,765	MAINE (2), MASSACHUSETTS (1), CONNECTICUT (1), NEW JERSEY (1), PENNSYLVANIA (1), MARYLAND (2), WASHINGTON (2)
CONCH MEAT AND CHOWDER	6,042	130,270	NEW YORK (1), NEW JERSEY (1), DELAWARE (1), WEST COAST FLORIDA (1)
OYSTER SPECIALTIES:			
SMOKED	1,414	135,940	WASHINGTON (7), OREGON (1)
STEW	122,100	1,517,374	NEW JERSEY (1), PENNSYLVANIA (1), SOUTH CAROLINA (1), WASHINGTON (4), OREGON (1)
BISQUE AND SOUP	2,234	21,722	NEW JERSEY (1), MARYLAND (1), WASHINGTON (1)
SQUID	15,637	73,638	NEW YORK (1), NEW JERSEY (1), CALIFORNIA (1)
TERRAPIN AND TURTLES (MEAT, CHOWDER, SOUP, AND STEW)	13,455	237,526	NEW JERSEY (1), PENNSYLVANIA (1), OHIO (1), WEST COAST OF FLORIDA (1), LOUISIANA (2)
OTHER SPECIALTIES (CRAWFISH, BISQUE, SEA MUSSELS, ABALONE TRIMMINGS, SCALLOPS IN SAUCE, GUMBO, AND BOUILLABAISE)	1,676	38,845	MAINE (1), NEW JERSEY (1), PENNSYLVANIA (1), LOUISIANA (2), CALIFORNIA (1)
TOTAL SHELLFISH	218,928	3,076,939	
GRAND TOTAL	686,461	10,504,146	

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF 48 CANS, EACH CONTAINING 16 OUNCES NET WEIGHT.

NUMBER OF PLANTS PRODUCING FISHERY BYPRODUCTS, 1960

PRODUCT	ATLANTIC AND GULF COASTS 1/	PACIFIC COAST AND TERRITORIES 2/	TOTAL
	NUMBER	NUMBER	NUMBER
SCRAP AND MEAL, DRIED:			
ALEWIFE	3	-	3
ANCHOVY	-	1	1
CRAB:			
BLUE	16	-	16
DUNGENESS	-	1	1
FUR SEAL	-	1	1
GROUNDFISH (INCLUDING OCEAN PERCH)	7	-	7
HERRING	6	6	12
HORSESHOE CRAB	1	-	1
MENHADEN	33	-	33
SARDINE (PACIFIC)	-	11	11
SHRIMP	4	2	6
TUNA AND MACKEREL	-	21	21
WHALE	-	2	2
UNCLASSIFIED	17	9	26
OIL, BODY:			
ANCHOVY	-	1	1
ALEWIFE	4	-	4
FUR SEAL	-	1	1
GROUNDFISH (INCLUDING OCEAN PERCH)	7	-	7
HERRING	4	5	9
MENHADEN	34	-	34
SARDINE (PACIFIC)	-	11	11
SALMON:			
EDIBLE	-	2	2
INDUSTRIAL	-	1	1
TUNA AND MACKEREL	-	16	16
WHALE	-	2	2
UNCLASSIFIED	1	8	9
OIL, LIVER AND VISCERA:			
SHARK	1	2	3
UNCLASSIFIED	1	1	2
MUSSEL SHELL PRODUCTS (FRESH-WATER):			
BUTTONS	8	-	8
LIME AND COLORED CHIPS	2	-	2
OYSTER SHELL PRODUCTS:			
CRUSHED SHELL FOR POULTRY FEED	9	6	15
SHELL LIME:			
BURNED	2	-	2
UNBURNED	7	5	12
MARINE PEARL SHELL BUTTONS	14	-	14
AGAR-AGAR	-	1	1
FISH SOLUBLES AND HOMOGENIZED CONDENSED FISH	32	10	42
GLUE	1	-	1
IRISH MOSS EXTRACTIVES	4	-	4
KELP PRODUCTS	1	2	3
LIQUID FERTILIZER	-	2	2
PEARL ESSENCE	5	-	5
CRAB SHELLS (TO HOLD DEVILED CRAB MEAT)	2	-	2
TOTAL, EXCLUSIVE OF DUPLICATION	128	53	181

1/ INCLUDES FIRMS IN THE GREAT LAKES AND MISSISSIPPI RIVER.

2/ INCLUDES HAWAII, AMERICAN SAMOA, AND PUERTO RICO.

PRODUCTION OF MARINE ANIMAL MEAL AND SCRAP, 1960

PRODUCT	ATLANTIC AND GULF COASTS		PACIFIC COAST AND TERRITORIES		TOTAL	
	TONS	VALUE	TONS	VALUE	TONS	VALUE
DRIED MEAL AND SCRAP:						
ALEWIFE	1,092	$96,600	-	-	1,092	$96,600
CRAB	1/8,487	1/343,013	(1)	(1)	8,487	343,013
FUR SEAL	-	-	166	$8,520	166	8,520
HERRING	2,915	229,468	6,236	604,958	9,151	834,426
MENHADEN	218,423	19,201,716	-	-	218,423	19,201,716
SARDINE, PACIFIC	-	-	3,508	316,463	3,508	316,463
SHRIMP	168	9,584	11	182	179	9,766
TUNA AND MACKEREL	-	-	26,499	2,318,877	26,499	2,318,877
WHALE	-	-	1,486	135,271	1,486	135,271
UNCLASSIFIED	2/16,860	2/1,598,158	3/4,286	3/418,778	21,146	2,016,936
TOTAL	247,945	21,478,539	42,192	3,803,049	290,137	25,281,588

1/ A SMALL WEST COAST PRODUCTION IS INCLUDED WITH THE EAST COAST PRODUCTION.

2/ INCLUDES THE PRODUCTION OF MEAL AND SCRAP FROM GROUNDFISH, OCEAN PERCH, AND HORSESHOE CRAB.

3/ INCLUDES THE PRODUCTION OF MEAL AND SCRAP FROM ANCHOVIES AND BOTTOM FISH.

PRODUCTION OF MARINE ANIMAL OIL, 1960

PRODUCT	ATLANTIC AND GULF COASTS		PACIFIC COAST AND TERRITORIES		TOTAL	
	GALLONS	VALUE	GALLONS	VALUE	GALLONS	VALUE
BODY OIL:						
ALEWIFE	73,950	$34,774	-	-	73,950	$34,774
FUR SEAL	-	-	22,300	$5,631	22,300	5,631
HERRING	132,973	37,779	1,400,270	630,516	1,533,243	668,295
MENHADEN	24,453,736	11,582,027	-	-	24,453,736	11,582,027
SARDINE, PACIFIC	-	-	160,121	78,066	160,121	78,066
SALMON	-	-	9,075	19,985	9,075	19,985
TUNA AND MACKEREL	-	-	509,195	175,047	509,195	175,047
WHALE:						
SPERM	-	-	22,624	9,553	22,624	9,553
OTHER	-	-	414,513	165,016	414,513	165,016
UNCLASSIFIED	1/461,148	1/232,862	2/193,070	2/65,403	654,218	298,265
TOTAL	25,121,807	11,887,442	2,731,168	1,149,217	27,852,975	13,036,659
LIVER AND VISCERA OIL:						
SHARK	(3)	(3)	3/30,474	3/339,704	30,474	339,704
UNCLASSIFIED	(3)	(3)	3/2,233	3/10,109	2,233	10,109
TOTAL	(3)	(3)	3/32,707	3/349,813	32,707	349,813
GRAND TOTAL	25,121,807	11,887,442	2,763,875	1,499,030	27,885,682	13,386,472

1/ INCLUDES GROUNDFISH AND OCEAN PERCH OILS.

2/ INCLUDES ANCHOVY AND BOTTOM FISH OILS.

3/ EAST COAST PRODUCTION INCLUDED WITH WEST COAST PRODUCTION.

PRODUCTION OF FISH SOLUBLES AND HOMOGENIZED CONDENSED FISH, 1960

PRODUCT, STATE, AND NUMBER OF PLANTS	TONS	VALUE
FISH SOLUBLES:		
MAINE (2), MASSACHUSETTS (2)	2,979	$119,487
NEW YORK (1), NEW JERSEY (3), AND DELAWARE (2)	16,483	570,470
VIRGINIA (5)	16,047	536,400
NORTH CAROLINA (4), FLORIDA (1)	6,998	224,036
MISSISSIPPI (3)	8,420	336,820
LOUISIANA (5), TEXAS (2)	17,716	620,051
OREGON (1), CALIFORNIA (8), AND HAWAII (1)	20,734	945,158
TOTAL (40)	89,377	3,352,422
HOMOGENIZED CONDENSED FISH:		
MASSACHUSETTS (1), RHODE ISLAND (1)	9,552	668,570
GRAND TOTAL (42)	98,929	4,020,992

NOTE:--INCLUDES MENHADEN SOLUBLES.

MENHADEN USED FOR REDUCTION, BY STATES, 1960

STATE	MENHADEN UTILIZED	
	POUNDS	NUMBER OF FISH
MASSACHUSETTS, RHODE ISLAND, NEW YORK, NEW JERSEY, AND DELAWARE	713,600,250	1,065,075,000
VIRGINIA	229,513,860	342,558,000
NORTH CAROLINA	190,998,910	285,073,000
FLORIDA AND TEXAS	176,171,140	262,942,000
MISSISSIPPI	218,643,780	326,334,000
LOUISIANA	470,108,180	701,654,000
TOTAL	1,999,036,120	2,983,636,000

NOTE:--INCLUDES SMALL QUANTITIES OF OTHER SPECIES.

PRODUCTION OF MENHADEN PRODUCTS, 1960

STATE AND NUMBER OF PLANTS	DRY SCRAP AND MEAL		OIL		SOLUBLES		TOTAL
	TONS	VALUE	GALLONS	VALUE	TONS	VALUE	VALUE
MASSACHUSETTS (1), RHODE ISLAND (1), NEW YORK (1), NEW JERSEY (3), AND DELAWARE (2)	83,858	$7,277,462	7,808,798	$3,595,831	17,258	$601,502	$11,474,795
VIRGINIA (5)	24,516	2,160,600	1,014,045	490,000	15,458	516,800	3,167,400
NORTH CAROLINA (8)	21,165	1,728,904	2,995,402	1,359,350	6,788	216,688	3,304,942
FLORIDA (2) AND TEXAS (3)	18,737	1,722,077	2,255,714	1,061,861	3,563	124,708	2,908,646
MISSISSIPPI (3)	21,037	1,893,340	2,860,400	1,432,600	8,420	336,820	3,662,760
LOUISIANA (5)	49,110	4,419,333	7,519,377	3,642,385	14,363	502,691	8,564,409
TOTAL (34)	218,423	19,201,716	24,453,736	11,582,027	65,850	2,299,209	33,082,952

NOTE:--INCLUDES SMALL QUANTITIES OF OTHER SPECIES.

PRODUCTION OF OYSTER SHELL PRODUCTS, 1960

(LIVE AND REEF SHELLS)

STATE AND NUMBER OF PLANTS	POULTRY GRIT		LIME, BURNED AND UNBURNED		TOTAL	
	TONS	VALUE	TONS	VALUE	TONS	VALUE
NEW JERSEY (1), PENNSYLVANIA (1), MARYLAND (2), AND VIRGINIA (3)	64,808	$1,204,507	27,633	$188,577	92,441	$1,393,084
FLORIDA (1), ALABAMA (1), AND TEXAS (2)	327,667	4,932,611	30,978	221,261	358,645	5,153,872
WASHINGTON (3), OREGON (1), AND CALIFORNIA (2)	18,477	259,608	1,262	14,470	19,739	274,078
TOTAL (17)	410,952	6,396,726	59,873	424,308	470,825	6,821,034

NOTE:--A QUANTITY OF BURNED LIME WAS PRODUCED IN VIRGINIA.

PRODUCTION OF FRESH-WATER MUSSEL SHELL BUTTONS, 1960

STATE AND NUMBER OF PLANTS	BUTTONS	
	GROSS	VALUE
IOWA (5), MISSOURI (1), NEW YORK (1) AND NEW JERSEY (1)	523,091	$577,221

NOTE:--VALUE OF PRODUCTION OF MUSSEL SHELL LIME, DUST AND COLORED CHIPS IS INCLUDED WITH MISCELLANEOUS BYPRODUCTS.

PRODUCTION OF MARINE PEARL SHELL BUTTONS, 1960

STATE AND NUMBER OF PLANTS	GROSS	VALUE
CONNECTICUT (1), NEW YORK (2)	651,742	$1,094,490
NEW JERSEY (7)	439,635	1,129,523
PENNSYLVANIA (1), DELAWARE (1), AND MARYLAND (2)	334,992	451,915
TOTAL (14)	1,426,369	2,675,928

PRODUCTION OF MISCELLANEOUS BYPRODUCTS, 1960

PRODUCT	STATE AND NUMBER OF PLANTS	TOTAL VALUE
AGAR-AGAR	CALIFORNIA (1)	$13,831,917
GLUE	MASSACHUSETTS (1)	
IRISH MOSS EXTRACT	MAINE (2), MASSACHUSETTS (1), AND NEW JERSEY (1)	
KELP PRODUCTS	CALIFORNIA (2), MAINE (1)	
LIQUID FERTILIZER	WASHINGTON (1), OREGON (1)	
FRESH-WATER MUSSEL SHELL LIME, DUST AND COLORED CHIPS	ILLINOIS (1), IOWA (1)	
PEARL ESSENCE	MAINE (4), VIRGINIA (1)	

GENERAL REVIEW

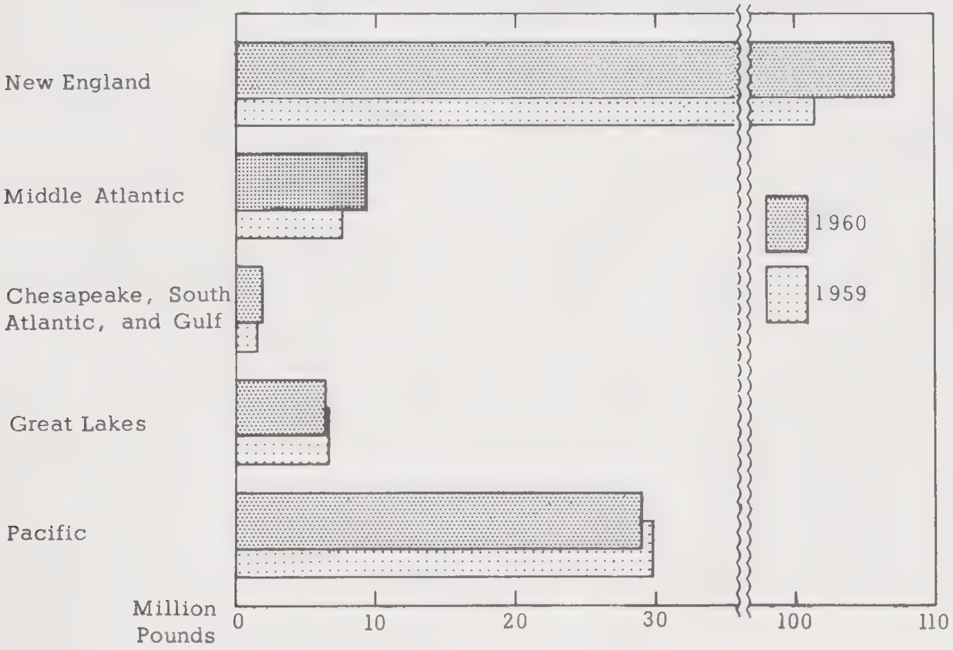
PACKAGED FISH

The production of fresh and frozen packaged fish fillets and steaks in the United States during 1960 totaled 153.2 million pounds with a value of $48.4 million to the initial processors. Compared with the previous year, this represented an increase of 5.9 million pounds or 4 percent in volume and $2.3 million or 5 percent in value. It was estimated that whole round fish weighing 453 million pounds were required for the 1960 production of packaged fillets and steaks.

Atlantic ocean perch fillets (43.6 million pounds) and haddock fillets (33.3 million pounds) were the leading items and accounted for 50 percent of the total volume and 43 percent of the total value. Other leading items filleted and steaked were flounders, cod, pollock, and halibut which made up 34 percent of the total quantity and 39 percent of the total value. The greatest production of packaged fish occurred in the New England area which accounted for 70 percent of the volume and 61 percent of the value.

Preliminary data on the production of packaged fish during 1960 have been previously published in Current Fishery Statistics No. 2542.

PRODUCTION OF PACKAGED FISH, BY SECTIONS, 1960 AND 1959



SUMMARY OF PRODUCTION OF PACKAGED FISH, 1960

ITEM	FILLETS		STEAKS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FRESH.	50,117,988	$17,828,131	80,957	$36,789	50,198,945	$17,864,920
FROZEN	93,564,514	26,175,506	9,402,869	4,396,896	102,967,383	30,572,402
TOTAL	143,682,502	44,003,637	9,483,826	4,433,685	153,166,328	48,437,322

* * *

PRODUCTION OF PACKAGED FISH, BY SECTIONS, 1960

SPECIES	NEW ENGLAND		MIDDLE ATLANTIC		CHESAPEAKE, SOUTH ATLANTIC, AND GULF	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD.	5,319,785	$1,485,047	2,617,440	$1,026,471	-	-
CUSK	350,865	98,263	-	-	-	-
FLOUNDERS.	13,883,451	5,122,454	4,499,190	2,565,015	187,200	$77,200
GROUPERS	-	-	-	-	294,346	123,196
HADDOCK.	31,881,672	10,203,845	1,442,800	635,306	-	-
HAKE	332,673	92,334	22,000	6,475	-	-
HALIBUT.	1,314,877	496,305	-	-	-	-
MACKEREL	94,170	26,957	1,500	700	-	-
OCEAN PERCH, ATLANTIC. . . .	43,547,662	10,175,529	3,000	1,110	-	-
POLLOCK.	6,747,162	1,267,340	7,000	2,010	-	-
POMPANO.	-	-	-	-	23,900	33,020
SALMON	20,929	17,509	-	-	-	-
SEA BASS	-	-	-	-	114,100	53,000
SEA TROUT.	-	-	-	-	17,244	8,739
SHAD	-	-	22,000	7,700	-	-
SNAPPER, RED	-	-	1,500	1,125	273,263	155,837
SPANISH MACKEREL	-	-	-	-	889,045	261,682
SWORDFISH.	67,166	36,035	-	-	-	-
WHITING.	2,951,410	571,092	-	-	-	-
WOLFFISH	230,005	71,434	-	-	-	-
MISCELLANEOUS 1/	311,392	61,950	-	-	216,494	78,323
TOTAL	107,053,219	29,726,094	8,616,430	4,245,912	2,015,592	790,997

SPECIES	GREAT LAKES		PACIFIC COAST	
	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE.	2,100	$1,745	-	-
COD.	-	-	1,546,150	$339,686
FLOUNDERS.	-	-	9,807,918	3,439,720
HALIBUT.	81,000	36,750	6,790,393	3,055,943
HERRING, LAKE.	62,862	19,996	-	-
LAKE TROUT	106,061	91,184	-	-
LINGCOD.	-	-	2,107,235	435,582
OCEAN PERCH, PACIFIC	-	-	2,844,027	671,626
ROCKFISHES	-	-	4,219,281	861,367
SALMON	18,000	10,200	849,363	610,315
SAUGER	752,685	582,638	-	-
SEA BASS	-	-	76,073	50,664
SHAD	-	-	11,750	3,474
SWORDFISH.	19,500	9,000	913,478	486,152
WHITE BASS	126,805	44,931	-	-
WHITEFISH.	737,800	450,532	-	-
YELLOW PERCH	3,350,255	1,603,869	-	-
YELLOW PIKE.	1,042,753	861,036	-	-
MISCELLANEOUS 1/	7,600	5,510	7,998	2,399
TOTAL	6,307,421	3,717,391	29,173,666	9,956,928

1/ INCLUDES BLUEFISH, BLACK AND RED DRUM, KING WHITING, OCEAN POUT, PIKE OR PICKEREL, SABLEFISH, SCUP, STRIPED BASS, TILEFISH, WARSAW, AND UNCLASSIFIED SPECIES.

PRODUCTION OF PACKAGED FISH, BY METHOD OF PREPARATION, 1960

SPECIES	FILLETS			
	FRESH		FROZEN	
	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE	1,600	$1,320	500	$425
COD	4,020,083	1,123,587	5,429,992	1,716,908
CUSK	327,838	91,863	23,027	6,400
FLOUNDERS	14,342,545	5,666,236	14,035,214	5,538,153
GROUPERS	186,112	80,982	48,590	20,424
HADDOCK	18,753,591	6,505,154	14,570,881	4,333,997
HAKE	335,173	92,959	19,500	5,850
HALIBUT	-	-	923,598	462,958
HERRING, LAKE	35,703	12,195	27,159	7,801
LAKE TROUT	70,004	63,022	36,057	28,162
LINGCOD	1,108,654	226,875	998,581	208,707
MACKEREL	22,020	4,956	73,650	22,701
OCEAN PERCH:				
ATLANTIC	1,037,932	260,555	42,512,730	9,916,084
PACIFIC	660,471	135,565	2,183,556	536,061
POLLOCK	1,722,357	329,332	5,031,805	940,018
POMPANO	8,500	13,600	15,400	19,420
ROCKFISHES	3,210,696	656,766	1,008,585	204,601
SALMON	-	-	9,000	7,675
SAUGER	514,550	412,505	238,135	170,133
SEA BASS	6,000	3,300	108,100	49,700
SEA TROUT	2,500	1,125	14,744	7,614
SHAD	33,750	11,174	-	-
SNAPPER, RED	23,425	18,544	224,135	119,746
SPANISH MACKEREL	33,500	10,750	855,545	250,932
WHITE BASS	97,355	37,006	29,450	7,925
WHITEFISH	538,474	345,400	199,326	105,132
WHITING	9,385	2,070	2,942,025	569,022
WOLFFISH	33,412	10,852	196,593	60,582
YELLOW PERCH	2,331,278	1,165,970	1,018,977	437,899
YELLOW PIKE	618,480	524,408	424,273	336,628
MISCELLANEOUS 1/	32,600	20,060	365,386	83,848
TOTAL	50,117,988	17,828,131	93,564,514	26,175,506

SPECIES	STEAKS				TOTAL	
	FRESH		FROZEN			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE	-	-	-	-	2,100	$1,745
COD	-	-	33,300	$10,709	9,483,375	2,851,204
CUSK	-	-	-	-	350,865	98,263
FLOUNDERS	-	-	-	-	28,377,759	11,204,389
GROUPERS	58,644	$21,390	1,000	400	294,346	123,196
HADDOCK	-	-	-	-	33,324,472	10,839,151
HAKE	-	-	-	-	354,673	98,809
HALIBUT	-	-	7,262,672	3,126,040	8,186,270	3,588,998
HERRING, LAKE	-	-	-	-	62,862	19,996
LAKE TROUT	-	-	-	-	106,061	91,184
LINGCOD	-	-	-	-	2,107,235	435,582
MACKEREL	-	-	-	-	95,670	27,657
OCEAN PERCH:						
ATLANTIC	-	-	-	-	43,550,662	10,176,639
PACIFIC	-	-	-	-	2,844,027	671,626
POLLOCK	-	-	-	-	6,754,162	1,269,350
POMPANO	-	-	-	-	23,900	33,020
ROCKFISHES	-	-	-	-	4,219,281	861,367
SALMON	-	-	879,292	630,349	888,292	638,024
SAUGER	-	-	-	-	752,685	582,638
SEA BASS	-	-	76,073	50,664	190,173	103,664
SEA TROUT	-	-	-	-	17,244	8,739
SHAD	-	-	-	-	33,750	11,174
SNAPPER, RED	22,313	15,399	4,890	3,273	274,763	156,962
SPANISH MACKEREL	-	-	-	-	889,045	261,682
SWORDFISH	-	-	1,000,144	531,187	1,000,144	531,187
WHITE BASS	-	-	-	-	126,805	44,931
WHITEFISH	-	-	-	-	737,800	450,532
WHITING	-	-	-	-	2,951,410	571,092
WOLFFISH	-	-	-	-	230,005	71,434
YELLOW PERCH	-	-	-	-	3,350,255	1,603,869
YELLOW PIKE	-	-	-	-	1,042,753	861,036
MISCELLANEOUS 1/	-	-	145,498	44,274	543,484	148,182
TOTAL	80,957	36,789	9,402,869	4,396,896	153,166,328	48,437,322

1/ INCLUDES BLUEFISH, BLACK AND RED DRUM, KING WHITING, OCEAN POUT, PIKE OR PICKEREL, SABLEFISH, SCUP, STRIPED BASS, TILEFISH, WARSAW, AND UNCLASSIFIED SPECIES.

PRODUCTION OF FISH STICKS, 1960

MONTH	COOKED	RAW	TOTAL
	THOUSAND POUNDS	THOUSAND POUNDS	THOUSAND POUNDS
JANUARY	5,195	316	5,511
FEBRUARY	6,179	363	6,542
MARCH	7,257	587	7,844
APRIL	4,489	382	4,871
MAY	3,427	280	3,707
JUNE	4,086	283	4,369
JULY	3,324	367	3,691
AUGUST	4,587	426	5,013
SEPTEMBER	4,891	533	5,424
OCTOBER	6,074	486	6,560
NOVEMBER	5,847	434	6,281
DECEMBER	5,037	292	5,329
TOTAL	60,393	4,749	65,142
TOTAL VALUE (THOUSANDS OF DOLLARS)	26,792	1,879	28,671

* * *

PRODUCTION OF FISH PORTIONS, 1960

MONTH	BREADED			UNBREADED	TOTAL
	COOKED	RAW	TOTAL		
	THOUSAND POUNDS	THOUSAND POUNDS	THOUSAND POUNDS	THOUSAND POUNDS	THOUSAND POUNDS
JANUARY	463	3,051	3,514	118	3,632
FEBRUARY	546	2,837	3,383	119	3,502
MARCH	870	3,680	4,550	156	4,706
APRIL	696	2,627	3,323	169	3,492
MAY	522	2,626	3,148	105	3,253
JUNE	288	3,547	3,835	160	3,995
JULY	511	3,398	3,909	179	4,088
AUGUST	561	2,869	3,430	128	3,558
SEPTEMBER	964	3,391	4,355	276	4,631
OCTOBER	1,111	3,944	5,055	220	5,275
NOVEMBER	831	3,699	4,530	260	4,790
DECEMBER	945	3,357	4,302	157	4,459
TOTAL	8,308	39,026	47,334	2,047	49,381
TOTAL VALUE (THOUSANDS OF DOLLARS)	3,663	12,949	16,612	905	17,517

* * *

PRODUCTION OF CONSUMER PACKAGES OF CERTAIN SEAFOODS, 1957 - 1960

ITEM	1960	1959	1958	1957
	POUNDS	POUNDS	POUNDS	POUNDS
FILLETS AND STEAKS (RAW, NOT BREADED)	45,662,715	53,346,062	58,911,770	47,265,565
SHRIMP:				
NOT BREADED	14,592,051	10,774,133	9,496,360	8,754,963
BREADED	39,216,367	43,555,459	38,453,047	33,035,577
SCALLOPS, NOT BREADED AND BREADED	7,469,206	8,926,018	6,159,337	6,739,598
OYSTERS, NOT BREADED AND BREADED	2,013,972	3,420,881	2,094,442	1,794,185
TOTAL	108,954,311	120,022,553	115,114,956	97,589,888

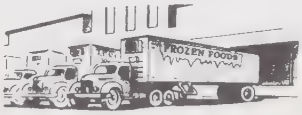
NOTE:--THESE DATA INCLUDE THE DOMESTIC PRODUCTION OF THE ABOVE MENTIONED ITEMS FROZEN IN CONSUMER PACKAGES OF 2 POUNDS OR LESS EACH.

FROZEN FISHERY TRADE

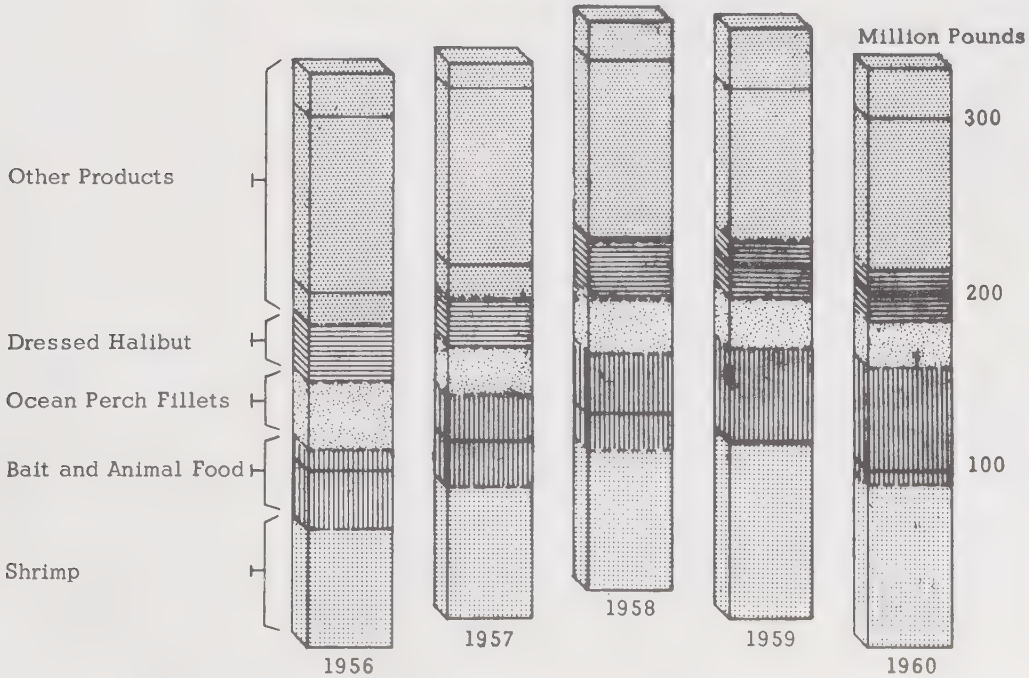
The 1960 production of frozen fish and shellfish by 280 domestic freezer and cold storage plants reporting to the Bureau of Commercial Fisheries totaled 328.7 million pounds. Leading products frozen were: shrimp, 91.8 million pounds; fish blocks, fillets and steaks, consisting mostly of ocean perch and haddock, 51.5 million pounds; bait and animal food, 66.8 million pounds; headed and gutted whiting, 34.7 million pounds; and dressed halibut, 30 million pounds. These items accounted for 84 percent of the total freezings of fish and shellfish products. It is estimated that a catch of approximately 523 million pounds of fish and shellfish was needed to produce the 328.7 million pounds of round, dressed, and drawn fish, fish fillets, and packaged shellfish frozen in 1960.

New England led all other areas in freezings with 144.9 million pounds or 44 percent of the total. The South Central area was in second place with 67.9 million pounds. The Pacific was third with 39.9 million pounds, followed by the South Atlantic area with 34.8 million pounds and Alaska with 29.9 million pounds. The Middle Atlantic, North Central East, and North Central West area accounted for the remaining 11.3 million pounds of fishery products.

Data on the freezings and holdings of fishery products for 1960 were published previously in Current Fishery Statistics No. 2495. The data were also published monthly in the Frozen Fish bulletin of the Current Fishery Statistics series.



PRODUCTION OF CERTAIN FISHERY PRODUCTS, 1956 - 1960



SUMMARY OF FREEZINGS, BY MONTHS, 1960

(THOUSANDS OF POUNDS)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
FISH	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
SALT-WATER:						
BLOCKS	96	23	84	87	27	85
FILLETS AND STEAKS:						
COD	26	42	94	175	165	373
FLOUNDER	39	132	45	237	642	642
HADDOCK	143	392	874	1,076	552	1,028
HALIBUT	-	-	-	18	61	192
OCEAN PERCH	781	1,006	1,399	1,680	3,202	4,106
POLLOCK	222	100	93	162	70	61
WHITING	2	1	-	10	112	274
UNCLASSIFIED	121	50	152	99	204	378
TOTAL FILLETS AND STEAKS	1,334	1,723	2,657	3,457	5,008	7,054
TOTAL BLOCKS, FILLETS, AND STEAKS	1,430	1,746	2,741	3,544	5,035	7,139
ROUND, DRESSED, ETC.:						
HALIBUT	-	-	-	1,293	9,193	10,221
MACKEREL (EXCEPT SPANISH)	8	17	4	43	23	82
SABLEFISH	-	-	25	12	59	67
SALMON:						
CHINOOK OR KING	-	-	-	25	555	954
SILVER OR COHO	-	-	-	-	-	12
CHUM OR KETA	-	-	-	-	-	1
OTHER	-	-	-	-	15	95
TOTAL SALMON	-	-	-	25	570	1,062
SMELT	16	-	1	23	4	19
SWORDFISH	-	-	-	-	-	5
TUNA	-	-	-	6	1	2
WHITING, HEADED AND GUTTED	51	71	-	69	2,855	4,393
OTHER (EXCEPT BAIT)	1,602	1,868	2,689	2,327	1,748	1,541
TOTAL SALT-WATER FISH	3,107	3,702	5,460	7,342	19,488	24,531
FRESH-WATER:						
FILLETS AND STEAKS	1	-	-	14	81	-
ROUND, DRESSED, ETC.:						
CHUBS	19	-	-	6	109	32
TROUT	43	43	48	51	48	66
WHITEFISH	21	-	-	5	8	39
OTHER (EXCEPT BAIT)	8	13	165	144	134	45
TOTAL FRESH-WATER FISH	92	56	213	220	380	182
BAIT AND ANIMAL FOOD (SALT- AND FRESH-WATER)	1,762	1,803	2,370	3,548	9,096	6,787
SHELLFISH						
CRABS (INCLUDING CRAB MEAT)	813	497	403	209	110	83
SPINY LOBSTER (TAILS)	9	12	15	5	157	-
OYSTER MEATS	209	226	65	189	135	132
SCALLOP MEATS	120	96	113	249	268	445
SHRIMP:						
RAW (HEADLESS)	1,849	1,002	1,399	1,257	1,198	1,461
ALL OTHER (INCLUDING BREADED)	3,937	4,066	4,640	4,038	2,782	3,302
TOTAL SHRIMP	5,786	5,068	6,039	5,295	3,980	4,763
SQUID	1	17	31	4	518	222
OTHER	7	4	5	9	100	67
TOTAL SHELLFISH	6,945	5,920	6,671	5,960	5,268	5,712
TOTAL FISH AND SHELLFISH	11,906	11,481	14,714	17,070	34,232	37,212

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF FREEZINGS, BY MONTHS, 1960 - Continued

(THOUSANDS OF POUNDS)

SPECIES	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
SALT-WATER:							
BLOCKS	62	51	33	9	157	77	791
FILLETS AND STEAKS:							
COD	463	237	67	94	136	51	1,923
FLOUNDER	655	536	425	690	577	384	5,004
HADDOCK	1,442	1,092	900	824	403	158	8,884
HALIBUT	875	114	415	28	-	-	1,703
OCEAN PERCH	3,394	2,856	2,271	1,855	2,015	1,164	25,729
POLLOCK	32	6	72	365	808	505	2,496
SALMON	103	2	265	-	-	-	370
WHITING	503	319	213	209	154	31	1,828
UNCLASSIFIED	343	398	318	288	237	182	2,770
TOTAL FILLETS AND STEAKS	7,810	5,560	4,946	4,353	4,330	2,475	50,707
TOTAL BLOCKS, FILLETS, AND STEAKS	7,872	5,611	4,979	4,362	4,487	2,552	51,498
ROUND, DRESSED, ETC.:							
HALIBUT	6,628	997	1,069	575	19	-	29,995
MACKEREL (EXCEPT SPANISH)	90	119	39	34	35	13	507
SABLEFISH	206	1,329	1,546	1,419	491	8	5,162
SALMON:							
CHINOOK OR KING	827	820	489	229	15	5	3,919
SILVER OR COHO	649	1,335	1,386	963	14	-	4,359
CHUM OR KETA	78	122	160	502	319	14	1,196
OTHER	131	120	33	23	5	-	422
TOTAL SALMON	1,685	2,397	2,068	1,717	353	19	9,896
SMELT	37	58	20	35	13	-	226
SWORDFISH	8	2	11	5	-	-	31
TUNA	272	66	243	12	13	-	615
WHITING, HEADED AND GUTTED	7,185	8,915	5,718	4,002	1,253	152	34,664
OTHER (EXCEPT BAIT)	1,639	2,537	2,441	2,567	2,738	2,017	25,714
TOTAL SALT-WATER FISH	25,622	22,031	18,134	14,728	9,402	4,761	158,308
FRESH-WATER:							
FILLETS AND STEAKS	-	-	-	2	1	-	99
ROUND, DRESSED, ETC.:							
CHUBS	17	43	57	35	49	3	370
TROUT	79	89	52	35	25	41	620
WHITEFISH	44	45	51	15	29	-	257
OTHER (EXCEPT BAIT)	136	70	120	90	141	196	1,262
TOTAL FRESH-WATER FISH	276	247	280	177	245	240	2,608
BAIT AND ANIMAL FOOD (SALT- AND FRESH-WATER)	7,591	8,238	7,051	7,886	4,984	5,652	66,768
SHELLFISH							
CRABS (INCLUDING CRAB MEAT)	117	136	98	321	145	297	3,229
SPINY LOBSTER (TAILS)	-	-	1	51	150	182	582
OYSTER MEATS	-	-	15	55	109	82	1,217
SCALLOP MEATS	381	202	247	190	134	136	2,581
SHRIMP:							
RAW (HEADLESS)	7,077	6,903	6,823	6,740	4,435	2,684	42,828
ALL OTHER (INCLUDING BREADED)	4,468	4,994	4,494	4,786	4,212	3,245	48,964
TOTAL SHRIMP	11,545	11,897	11,317	11,526	8,647	5,929	91,792
SQUID	125	161	106	2	30	12	1,229
OTHER	38	23	50	81	34	9	427
TOTAL SHELLFISH	12,206	12,419	11,834	12,226	9,249	6,647	101,057
TOTAL FISH AND SHELLFISH	45,695	42,935	37,299	35,017	23,880	17,300	328,741

NOTE:--PRODUCTION OF FISH FROZEN ON UNITED STATES FISHING OR TRANSPORTING CRAFT IS NOT INCLUDED IN THIS REPORT.

SUMMARY OF FREEZINGS, BY SECTIONS, 1960

(THOUSANDS OF POUNDS)

SPECIES	NEW ENGLAND	MIDDLE ATLANTIC	SOUTH ATLANTIC	NORTH CENTRAL, EAST	NORTH CENTRAL, WEST
FISH	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
SALT-WATER:					
BLOCKS	715	-	52	-	-
FILLETS AND STEAKS:					
COD	1,658	78	-	-	-
FLOUNDER	4,303	6	29	-	-
HADDOCK	8,880	4	-	-	-
OCEAN PERCH	25,361	-	-	-	-
POLLOCK	2,496	-	-	-	-
WHITING	1,815	13	-	-	-
UNCLASSIFIED	477	23	789	-	-
TOTAL FILLETS AND STEAKS	44,990	124	818	-	-
TOTAL BLOCKS, FILLETS, AND STEAKS	45,705	124	870	-	-
ROUND, DRESSED, ETC.:					
HALIBUT	7	-	-	-	-
MACKEREL (EXCEPT SPANISH)	216	94	-	-	-
SMELT	5	69	-	24	-
SWORDFISH	5	-	-	-	-
WHITING, HEADED AND GUTTED	34,228	436	-	-	-
OTHER (EXCEPT BAIT)	12,465	3,334	3,657	-	2
TOTAL SALT-WATER FISH	92,631	4,057	4,527	24	2
FRESH-WATER:					
FILLETS AND STEAKS	-	-	-	19	1
ROUND, DRESSED, ETC.:					
CHUBS	94	152	-	52	72
TROUT	-	-	10	2	25
WHITEFISH	3	223	-	3	28
OTHER (EXCEPT BAIT)	6	546	99	418	162
TOTAL FRESH-WATER FISH	103	921	109	494	288
BAIT AND ANIMAL FOOD (SALT- AND FRESH-WATER)	49,563	2,094	2,250	149	880
SHELLFISH					
CRABS (INCLUDING CRAB MEAT)	2	2	830	-	-
SPINY LOBSTER (TAILS)	-	-	97	-	-
OYSTER MEATS	6	2	774	-	-
SCALLOP MEATS	1,806	233	517	-	-
SHRIMP:					
RAW (HEADLESS)	41	1,101	5,061	162	-
ALL OTHER (INCLUDING BREADED)	-	-	20,662	-	25
TOTAL SHRIMP	41	1,101	25,723	162	25
SQUID	558	648	13	-	-
OTHER	197	139	-	-	-
TOTAL SHELLFISH	2,610	2,125	27,954	162	25
TOTAL FISH AND SHELLFISH	144,907	9,197	34,840	829	1,195

NOTE:--THE SECTIONS INDICATED INCLUDE THE FOLLOWING STATES:
NEW ENGLAND--MAINE, MASSACHUSETTS, RHODE ISLAND, AND CONNECTICUT.
MIDDLE ATLANTIC--NEW YORK, NEW JERSEY, AND PENNSYLVANIA.
SOUTH ATLANTIC--MARYLAND, DISTRICT OF COLUMBIA, VIRGINIA, NORTH CAROLINA, GEORGIA, AND FLORIDA.
NORTH CENTRAL, EAST--OHIO, INDIANA, ILLINOIS, MICHIGAN, AND WISCONSIN.
NORTH CENTRAL, WEST--MINNESOTA, IOWA, MISSOURI, NORTH DAKOTA, NEBRASKA, AND KANSAS.

(CONTINUED ON NEXT PAGE)

SUMMARY OF FREEZINGS, BY SECTIONS, 1960 - Continued

(THOUSANDS OF POUNDS)

SPECIES	SOUTH CENTRAL	PACIFIC	ALASKA	TOTAL
FISH	QUANTITY	QUANTITY	QUANTITY	QUANTITY
SALT-WATER:				
BLOCKS	-	24	-	791
FILLETS AND STEAKS:				
COD	-	187	-	1,923
FLOUNDER	64	602	-	5,004
HADDOCK	-	-	-	8,884
HALIBUT	-	508	1,195	1,703
OCEAN PERCH	-	368	-	25,729
POLLOCK	-	-	-	2,496
SALMON	-	2	368	370
WHITING	-	-	-	1,828
UNCLASSIFIED	4	1,476	1	2,770
TOTAL FILLETS AND STEAKS	68	3,143	1,564	50,707
TOTAL BLOCKS, FILLETS, AND STEAKS	68	3,167	1,564	51,498
ROUND, DRESSED, ETC.:				
HALIBUT	-	13,121	16,867	29,995
MACKEREL (EXCEPT SPANISH)	-	197	-	507
SABLEFISH	-	3,578	1,584	5,162
SALMON:				
CHINOOK OR KING	-	1,429	2,490	3,919
SILVER OR COHO	-	1,314	3,045	4,359
CHUM OR KETA	-	984	212	1,196
OTHER	-	111	311	422
TOTAL SALMON	-	3,838	6,058	9,896
SMELT	-	128	-	226
SWORDFISH	-	26	-	31
TUNA	-	615	-	615
WHITING, HEADED AND GUTTED	-	-	-	34,664
OTHER (EXCEPT BAIT)	2,936	3,190	130	25,714
TOTAL SALT-WATER FISH	3,004	27,860	26,203	158,308
FRESH-WATER:				
FILLETS AND STEAKS	-	79	-	99
ROUND, DRESSED, ETC.:				
CHUBS	-	-	-	370
TROUT	-	583	-	620
WHITEFISH	-	-	-	257
OTHER (EXCEPT BAIT)	30	1	-	1,262
TOTAL FRESH-WATER FISH	30	663	-	2,608
BAIT AND ANIMAL FOOD (SALT- AND FRESH-WATER)	251	8,826	2,755	66,768
SHELLFISH				
CRABS (INCLUDING CRAB MEAT)	51	1,498	846	3,229
SPINY LOBSTER (TAILS)	3	482	-	582
OYSTER MEATS	146	289	-	1,217
SCALLOP MEATS	16	9	-	2,581
SHRIMP:				
RAW (HEADLESS)	36,240	215	8	42,828
ALL OTHER (INCLUDING BREADED)	28,175	-	102	48,964
TOTAL SHRIMP	64,415	215	110	91,792
SQUID	3	7	-	1,229
OTHER	-	90	1	427
TOTAL SHELLFISH	64,634	2,590	957	101,057
TOTAL FISH AND SHELLFISH	67,919	39,939	29,915	328,741

NOTE:--THE SECTIONS INDICATED INCLUDE THE FOLLOWING STATES:
SOUTH CENTRAL--KENTUCKY, TENNESSEE, ALABAMA, MISSISSIPPI, LOUISIANA, TEXAS, OKLAHOMA, AND ARKANSAS.
PACIFIC--WASHINGTON, OREGON, CALIFORNIA, ARIZONA, COLORADO, UTAH, AND IDAHO.
ALASKA.
PRODUCTION OF FISH FROZEN ON UNITED STATES FISHING OR TRANSPORTING CRAFT IS NOT INCLUDED IN THIS TABLE.

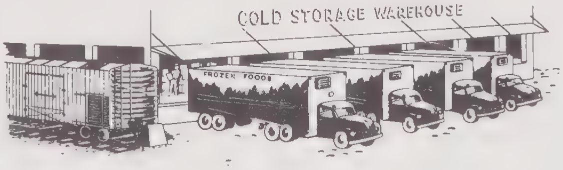
SUMMARY OF FREEZINGS, BY SECTIONS AND MONTHS, 1960

(THOUSANDS OF POUNDS)

MONTH	NEW ENGLAND	MIDDLE ATLANTIC	SOUTH ATLANTIC	NORTH CENTRAL, EAST	NORTH CENTRAL, WEST
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
JANUARY	2,721	223	2,799	11	20
FEBRUARY	3,464	341	2,660	-	1
MARCH	4,962	631	2,961	9	1
APRIL	6,115	1,385	3,208	62	26
MAY	15,239	1,709	2,268	63	29
JUNE	16,945	784	2,360	17	11
JULY	21,196	741	3,445	5	17
AUGUST	22,592	1,019	2,958	26	63
SEPTEMBER	17,624	664	3,516	33	52
OCTOBER	16,519	694	3,542	148	74
NOVEMBER	11,158	632	2,653	312	34
DECEMBER	6,372	374	2,470	143	867
TOTAL	144,907	9,197	34,840	829	1,195

MONTH	SOUTH CENTRAL	PACIFIC	ALASKA	TOTAL
	QUANTITY	QUANTITY	QUANTITY	QUANTITY
JANUARY	3,897	1,355	880	11,906
FEBRUARY	3,262	1,027	726	11,481
MARCH	3,870	1,477	803	14,714
APRIL	3,732	2,089	453	17,070
MAY	2,799	6,811	5,314	34,232
JUNE	3,173	6,395	7,527	37,212
JULY	8,695	5,463	6,133	45,695
AUGUST	9,649	4,356	2,272	42,935
SEPTEMBER	8,704	3,664	3,042	37,299
OCTOBER	9,000	3,210	1,830	35,017
NOVEMBER	6,972	1,935	184	23,880
DECEMBER	4,166	2,157	751	17,300
TOTAL	67,919	39,939	29,915	328,741

NOTE:--THE STATES INCLUDED IN THE VARIOUS SECTIONS ARE INDICATED ON PAGES 62 AND 63.



COLD STORAGE HOLDINGS OF FROZEN FISHERY PRODUCTS

The average monthly holdings of frozen fishery products during 1960 amounted to 194.5 million pounds. Holdings were the highest on November 30, 1960 when 237.2 million pounds of fish and shellfish were in storage. December 31, 1960 was the second highest during 1960 with 230.5 million pounds, and October 31 was third with 223.2 million pounds. Holdings were at the lowest level on April 30, when stocks declined to 133.8 million pounds. The average monthly holdings were the greatest in the New England States. The Middle Atlantic States were next, followed by the Pacific Coast States.

GENERAL REVIEW

SUMMARY OF HOLDINGS, BY MONTHS, 1960

(THOUSANDS OF POUNDS)

SPECIES	JANUARY 1	JANUARY 31	FEBRUARY 29	MARCH 31	APRIL 30	MAY 31
FISH	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
SALT-WATER:						
BLOCKS	23,215	25,707	21,817	16,647	13,843	14,433
FILLETS AND STEAKS:						
COD	14,447	12,550	11,453	9,390	8,141	7,507
FLOUNDER	5,696	4,872	3,784	2,218	2,105	3,354
HADDOCK	10,193	8,408	7,900	7,268	7,415	7,568
HALIBUT	2,624	2,529	2,293	2,650	2,247	2,120
OCEAN PERCH	14,923	12,142	9,162	5,216	4,731	7,104
POLLOCK	1,660	1,453	1,085	978	1,224	924
SALMON	323	222	184	188	153	136
WHITING	3,414	2,959	1,872	1,223	923	869
UNCLASSIFIED	8,387	8,180	6,726	5,660	4,972	5,106
TOTAL FILLETS AND STEAKS	61,667	53,315	44,459	34,791	31,911	34,688
TOTAL BLOCKS, FILLETS, AND STEAKS	84,882	79,022	66,276	51,438	45,754	49,121
FISH STICKS AND PORTIONS (RAW AND COOKED)	6,875	6,475	5,954	5,180	6,644	6,883
ROUND, DRESSED, ETC.:						
HALIBUT	15,206	11,723	8,766	4,174	3,894	11,863
MACKEREL (EXCEPT SPANISH)	2,078	2,044	1,654	1,327	985	891
SABLEFISH	1,991	1,624	1,234	904	956	827
SALMON:						
CHINOOK OR KING	3,657	3,112	2,579	1,665	1,258	1,114
SILVER OR COHO	2,234	1,819	1,442	1,011	763	691
CHUM OR KETA	589	511	331	177	140	97
OTHER	951	763	681	513	338	388
TOTAL SALMON	7,431	6,205	5,033	3,366	2,499	2,290
SMELT	1,459	1,294	1,166	903	689	679
SWORDFISH	2,268	1,928	1,525	1,223	1,108	1,017
TUNA	2,977	1,574	1,475	1,535	1,557	669
WHITING, HEADED AND GUTTED	9,891	9,363	6,990	3,610	2,239	2,401
OTHER (EXCEPT BAIT)	20,757	17,292	15,134	13,239	12,704	12,935
TOTAL SALT-WATER FISH	155,815	138,544	115,207	86,899	79,029	89,576
FRESH-WATER:						
FILLETS AND STEAKS	1,061	1,181	1,125	583	554	673
ROUND, DRESSED, ETC.:						
CHUBS	1,369	1,269	1,028	373	319	507
TROUT	1,535	1,426	1,326	946	821	734
WHITEFISH	1,664	1,656	1,616	1,466	1,066	873
OTHER (EXCEPT BAIT)	2,357	1,881	1,597	1,495	1,610	1,769
TOTAL FRESH-WATER FISH	7,986	7,413	6,692	4,863	4,370	4,556
BAIT AND ANIMAL FOOD (SALT- AND FRESH-WATER)	8,096	7,565	7,410	9,146	10,573	15,880
SHELLFISH						
CRABS (INCLUDING CRAB MEAT)	1,042	1,595	1,840	1,949	2,094	2,043
SPINY LOBSTER (TAILS)	3,733	3,785	4,205	4,023	4,283	4,049
OYSTER MEATS	826	915	947	920	1,023	1,070
SCALLOP MEATS	3,507	3,075	2,915	2,139	2,171	2,446
SHRIMP:						
RAW (HEADLESS)	37,866	34,332	29,063	23,232	20,502	17,540
ALL OTHER (INCLUDING BREADED)	10,572	10,133	10,271	8,126	8,199	7,387
TOTAL SHRIMP	48,438	44,465	39,334	31,358	28,701	24,927
SQUID	1,214	959	841	646	580	977
OTHER	1,352	1,173	1,061	937	941	1,055
TOTAL SHELLFISH	60,112	55,967	51,143	41,972	39,793	36,567
TOTAL FISH AND SHELLFISH	232,009	209,489	180,452	142,880	133,765	146,579

(CONTINUED ON NEXT PAGE)

SUMMARY OF HOLDINGS, BY MONTHS, 1960 - Continued

(THOUSANDS OF POUNDS)

SPECIES	JUNE 30	JULY 31	AUGUST 31	SEPTEMBER 30	OCTOBER 31	NOVEMBER 30	DECEMBER 31
FISH	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
SALT-WATER:							
BLOCKS	13,041	18,287	21,937	25,332	24,068	23,284	24,835
FILLETS AND STEAKS:							
COD	9,080	9,781	8,941	7,572	8,184	8,394	7,803
FLOUNDER	4,953	6,436	5,847	6,500	6,548	7,465	7,463
HADDOCK	7,765	8,920	9,382	8,974	9,397	9,039	8,088
HALIBUT	2,096	2,971	1,907	2,714	2,154	1,999	1,940
OCEAN PERCH	9,975	12,676	14,379	14,468	13,893	14,674	13,742
POLLOCK	782	487	379	375	506	1,041	1,298
SALMON	97	129	107	162	152	185	168
WHITING	849	1,399	1,450	2,189	2,237	2,341	2,247
UNCLASSIFIED	5,952	6,192	6,026	6,365	6,346	7,314	7,083
TOTAL FILLETS AND STEAKS	41,549	48,991	48,418	49,319	49,417	52,452	49,832
TOTAL BLOCKS, FILLETS, AND STEAKS	54,590	67,278	70,355	74,651	73,485	75,736	74,667
FISH STICKS AND PORTIONS (RAW AND COOKED)	7,230	7,596	7,747	7,159	6,960	8,656	9,090
ROUND, DRESSED, ETC.:							
HALIBUT	19,260	23,774	22,102	20,993	19,249	15,938	11,727
MACKEREL (EXCEPT SPANISH)	959	940	1,036	1,078	778	1,042	1,462
SABLEFISH	518	466	1,320	2,377	3,157	3,480	3,370
SALMON:							
CHINOOK OR KING	1,985	3,408	4,179	4,953	4,484	4,186	3,877
SILVER OR COHO	565	1,131	2,933	4,083	3,406	3,577	3,169
CHUM OR KETA	71	128	222	497	873	1,406	1,298
OTHER	652	869	1,362	1,272	1,205	1,208	1,079
TOTAL SALMON	3,273	5,536	8,696	10,805	9,968	10,377	9,423
SMELT	683	685	751	916	1,260	1,535	1,484
SWORDFISH	913	1,085	973	1,398	1,409	1,332	1,562
TUNA	1,518	1,683	3,003	3,910	3,606	2,975	2,253
WHITING, HEADED AND GUTTED	3,240	6,243	11,931	14,612	15,134	15,803	12,235
OTHER (EXCEPT BAIT)	14,395	15,305	17,578	19,208	17,605	21,255	19,006
TOTAL SALT-WATER FISH	106,579	130,591	145,492	157,107	152,611	158,129	146,279
FRESH-WATER:							
FILLETS AND STEAKS	520	493	793	820	1,104	1,126	2,327
ROUND, DRESSED, ETC.:							
CHUBS	557	659	810	827	1,123	1,321	751
TROUT	686	769	597	853	912	931	848
WHITEFISH	869	1,254	1,416	1,834	1,842	1,777	1,516
OTHER (EXCEPT BAIT)	2,031	2,218	2,253	2,555	2,855	2,770	2,705
TOTAL FRESH-WATER FISH	4,663	5,393	5,869	6,889	7,836	7,925	8,147
BAIT AND ANIMAL FOOD (SALT- AND FRESH-WATER)	17,959	17,257	13,695	8,809	6,414	6,536	9,546
SHELLFISH							
CRABS (INCLUDING CRAB MEAT)	2,083	1,661	1,680	1,740	1,878	1,591	1,561
SPINY LOBSTER (TAILS)	4,517	4,576	3,952	3,801	3,852	4,060	4,241
OYSTER MEATS	1,355	1,292	1,201	1,033	945	986	936
SCALLOP MEATS	3,041	3,198	3,106	2,885	2,986	3,041	3,100
SHRIMP:							
RAW (HEADLESS)	15,338	17,397	20,171	24,492	31,209	37,264	40,913
ALL OTHER (INCLUDING BREADED)	7,571	9,135	12,277	12,407	12,450	14,695	13,441
TOTAL SHRIMP	22,909	26,532	32,448	36,899	43,659	51,959	54,354
SQUID	1,198	1,214	1,110	1,115	993	872	549
OTHER	1,518	1,747	1,966	2,118	2,014	2,064	1,750
TOTAL SHELLFISH	36,621	40,220	45,463	49,591	56,327	64,573	66,491
TOTAL FISH AND SHELLFISH	165,822	193,461	210,519	222,396	223,188	237,163	230,463

SUMMARY OF HOLDINGS, BY SECTIONS AND MONTHS, 1960

(THOUSANDS OF POUNDS)

DATE	NEW ENGLAND	MIDDLE ATLANTIC	SOUTH ATLANTIC	NORTH CENTRAL, EAST	NORTH CENTRAL, WEST
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
JANUARY 1	67,116	47,100	11,010	25,191	7,841
JANUARY 31	57,493	46,258	10,333	22,229	9,493
FEBRUARY 29	43,450	44,667	9,647	21,445	8,267
MARCH 31	28,548	35,720	8,196	17,807	8,133
APRIL 30	29,762	29,297	9,400	17,033	7,680
MAY 31	38,203	28,318	8,643	17,327	6,631
JUNE 30	45,499	28,569	8,609	16,989	7,547
JULY 31	59,961	30,107	8,400	17,594	7,993
AUGUST 31	64,620	32,694	9,426	19,429	9,758
SEPTEMBER 30	62,764	39,662	11,110	21,515	9,431
OCTOBER 31	58,739	45,018	11,880	24,300	9,697
NOVEMBER 30	65,443	43,664	12,343	27,979	10,275
DECEMBER 31	60,900	45,538	12,316	25,899	10,669

DATE	SOUTH CENTRAL	PACIFIC	ALASKA	TOTAL
	QUANTITY	QUANTITY	QUANTITY	QUANTITY
JANUARY 1	28,175	39,693	5,883	232,009
JANUARY 31	24,297	34,207	5,179	209,489
FEBRUARY 29	19,447	29,187	4,342	180,452
MARCH 31	15,103	26,131	3,242	142,880
APRIL 30	12,308	25,188	3,097	133,765
MAY 31	10,497	29,624	7,336	146,579
JUNE 30	10,593	36,158	11,858	165,822
JULY 31	14,877	39,733	14,796	193,461
AUGUST 31	20,902	41,739	11,951	210,519
SEPTEMBER 30	23,966	41,102	12,846	222,396
OCTOBER 31	25,169	38,510	9,875	223,188
NOVEMBER 30	27,895	43,574	5,990	237,163
DECEMBER 31	26,957	43,105	5,079	230,463

NOTE:--THE STATES INCLUDED IN THE VARIOUS SECTIONS ARE INDICATED ON PAGES 62 AND 63.

COLD STORAGE HOLDINGS OF CURED FISH

Average monthly holdings of salted and smoked cured fish in 1960 totaled 14.7 million pounds. Cold storage stocks averaged 7.8 million pounds for cured herring and 3 million pounds for mild-cured salmon. These two species accounted for 74 percent of the average cold storage inventories of cured fish.

SUMMARY OF HOLDINGS OF CURED FISH, BY MONTHS, 1960

(THOUSANDS OF POUNDS)

DATE	SALTED			SMOKED	TOTAL
	HERRING, CURED	SALMON, MILD-CURED	OTHER		
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
JANUARY 1	6,871	4,296	3,488	919	15,574
JANUARY 31	7,054	3,756	3,133	773	14,716
FEBRUARY 29	7,162	3,335	2,996	709	14,202
MARCH 31	6,749	2,668	2,526	689	12,632
APRIL 30	10,740	2,268	2,774	770	16,552
MAY 31	10,248	1,873	2,765	699	15,585
JUNE 30	9,684	2,008	2,824	676	15,192
JULY 31	8,926	2,421	2,946	654	14,947
AUGUST 31	8,280	1,766	5,021	713	15,780
SEPTEMBER 30	7,200	4,190	3,059	659	15,108
OCTOBER 31	6,638	4,094	2,927	673	14,332
NOVEMBER 30	6,206	3,557	3,109	409	13,281
DECEMBER 31	6,179	3,200	3,017	716	13,112

FOREIGN FISHERY TRADE

United States foreign trade in fishery products was valued at $404 million during 1960. Imports for consumption accounted for $360 million and exports $44 million. The value of fishery imports was $6.4 million less than in 1959 while exports were down $77,000.

Imports of edible fishery products in 1960 amounted to 1.1 billion pounds valued at $307 million. The volume of the imports was 4 percent less than in the previous year; however, they exceeded those for any year prior to 1959. The principal items imported were fresh and frozen tuna, whole and other, 241 million pounds; frozen groundfish fillets and blocks, 156 million pounds; and shrimp, principally frozen, 113 million pounds. Items received in considerably greater volume than in 1959 were fresh and frozen sea herring, albacore tuna, and shrimp. Sharp declines occurred in imports of fresh and frozen salmon, light meat tuna, and groundfish fillets; and canned salmon and tuna.

Imports of four important edible items were at record levels in 1960. These were fresh and frozen albacore tuna; spiny lobsters, principally frozen tails; shrimp, mainly headless and peeled; and canned oysters.

Shrimp was the major item imported with respect to value. The 113.4 million pounds received, valued at over $56 million, came from over 40 countries. Mexico, Panama, El Salvador, and Ecuador were the principal sources. Nearly two-thirds of the total imports of shrimp were received from Mexico.

During 1960, the United States Tariff Commission assembled approximate data on the condition of imported shrimp. It was found that imports in that year consisted of the following categories: Headless, 93 million pounds; peeled (including deveined) raw, and cooked, 18.1 million pounds; breaded, 1.7 million pounds; canned, 0.5 million pounds; and dried, 0.1 million pounds.

Imports of nonedible fishery products in 1960 were valued at $52.7 million--5 percent less than in the previous year. A sharp decline in the value of imported fish meal was responsible for the decrease. The declared value of fish meal and scrap imported in 1960 averaged less than $84 per ton compared with nearly $120 the previous year. Pearls worth $14.6 million were the most valuable nonedible item imported during the year, followed by fish scrap and meal, $11.1 million; various aquatic leathers and leather products, $10.1 million; and fish and marine animal oils, $6.7 million.

Exports of edible fishery products in 1960 totaled only 61 million pounds, probably the smallest volume for any year in the 20th century. Sharply reduced exports of canned salmon, sardines, and salted fish were largely responsible for the decline. In contrast to the low level of United States export trade in edible fishery products, nonedible exports were valued at a record $18.5 million. This resulted from near record exports of fish oils, and record shipments of seal furs and unmanufactured shells.

Customs receipts from imports of aquatic products in 1960 amounted to $15.9 million--11 percent less than in the previous year. The decrease resulted largely from sharply reduced imports of frozen groundfish fillets, canned salmon, tuna in brine, and crab meat; less duty collected on blocks of groundfish fillets due to a change in the Customs classification of this item; and because all imports of canned tuna in brine in 1960 were dutiable at 12 1/2 percent ad valorem. In the previous year, the quota on imports of tuna in brine was exceeded and nearly 3 million pounds entered at the 25 percent rate.

* * *

EXPORTS OF DOMESTIC FISHERY PRODUCTS, 1960

(VALUE IN THOUSANDS OF DOLLARS)

ITEM		QUANTITY	VALUE
EDIBLE FISHERY PRODUCTS			
FRESH OR FROZEN:			
FISH:			
COD, HADDOCK, HAKE, POLLOCK, AND CUSK	1,000 POUNDS	568	117
SALMON	DO	2,849	1,677
OTHER	DO	4,928	947
TOTAL FISH	DO	8,345	2,741
SHELLFISH:			
SHRIMP	DO	2,989	2,303
OYSTERS, SHUCKED	DO	604	497
OTHER (INCLUDING LOBSTERS AND SHUCKED CLAMS AND OYSTERS)	DO	827	411
TOTAL SHELLFISH	DO	4,420	3,211
TOTAL FRESH AND FROZEN	DO	12,765	5,952
CANNED:			
FISH:			
MACKEREL	DO	1,305	211
SALMON	DO	11,924	9,830
SARDINES:			
IN OIL	DO	264	65
NOT IN OIL	DO	20,955	3,443
TUNA	DO	516	236
OTHER (INCLUDING HERRING)	DO	483	355
TOTAL FISH	DO	35,447	14,140
SHELLFISH:			
SHRIMP	DO	3,482	3,383
SQUID	DO	7,530	691
OTHER (INCLUDING CRABS AND CRAB MEAT)	DO	619	496
TOTAL SHELLFISH	DO	11,631	4,570
TOTAL CANNED	DO	47,078	18,710
CURED, SALTED, PICKLED, OR DRY CURED:			
SALMON	DO	529	435
MISCELLANEOUS FISH	DO	424	176
SHRIMP	DO	108	90
TOTAL CURED, SALTED, PICKLED, OR DRY CURED	DO	1,061	701
FISH, SHELLFISH, AND OTHER MARINE ANIMAL PRODUCTS, (INCLUDING CANNED OR FROZEN SPECIALTIES AND SMOKED FISH AND SHELLFISH)	DO	550	259
TOTAL EDIBLE FISHERY PRODUCTS	DO	61,454	25,622
NONEDIBLE FISHERY PRODUCTS			
FISH AND MARINE ANIMAL BODY AND LIVER OIL (EXCEPT MEDICINAL)	DO	143,659	10,688
WHALE AND SPERM OIL	DO	1,401	147
SEAL FURS, DRESSED OR DYED	1,000 PIECES	50	3,309
PEARL ESSENCE	1,000 POUNDS	24	435
SHELLS, UNMANUFACTURED	DO	23,765	2,636
FISH, SHELLFISH, AND OTHER MARINE ANIMAL PRODUCTS, INEDIBLE	-	-	1,328
TOTAL NONEDIBLE FISHERY PRODUCTS	-	-	18,543
GRAND TOTAL	-	-	44,165

NOTE:--IN ADDITION TO THE EXPORT FIGURES THAT ARE SHOWN THERE ARE LARGE QUANTITIES OF FISH OILS AND CONCENTRATES THAT ARE EXPORTED FOR MEDICINAL PURPOSES, AND OTHER MISCELLANEOUS FISHERY PRODUCTS THAT CANNOT BE SHOWN BECAUSE THE EXPORT CLASSIFICATION COVERING THESE PRODUCTS INCLUDES OTHER THAN FISHERY PRODUCTS.

IMPORTS OF FISHERY PRODUCTS ENTERED FOR CONSUMPTION, 1960

(VALUE IN THOUSANDS OF DOLLARS)

ITEM		QUANTITY	VALUE
EDIBLE FISHERY PRODUCTS			
FRESH OR FROZEN:			
FISH:			
WHETHER OR NOT WHOLE (EXCEPT FILLETS, STEAKS, ETC.):			
FRESH-WATER:			
EELS (FRESH AND SALT-WATER)	1,000 POUNDS	318	95
LAKE HERRING, CISCO, AND CHUBS	DO	1,642	430
LAKE TROUT	DO	2,107	827
PIKE OR PICKEREL (JACKS OR GRASS PIKE)	DO	838	148
SAUGER	DO	1,494	581
TROUT (INCLUDING RAINBOW, BROOK, AND BROWN)	DO	4,600	1,919
TULLIBEE	DO	210	62
WHITEFISH	DO	14,483	5,520
YELLOW PERCH	DO	390	85
YELLOW PIKE	DO	5,393	2,189
OTHER (INCLUDING BLUE PIKE AND MULLET)	DO	8,180	2,009
TOTAL FRESH-WATER FISH	DO	39,655	13,865
SALT-WATER:			
COD, HADDOCK, HAKE, POLLOCK, AND CUSK	DO	2,264	236
HALIBUT	DO	24,124	5,832
MACKEREL:			
FRESH	DO	1,463	291
FROZEN	DO	799	119
SALMON	DO	13,472	6,340
SEA HERRING	DO	1/74,682	1/1,728
SHAD	DO	198	23
SMELT	DO	8,437	1,402
STURGEON	DO	973	581
SWORDFISH:			
FRESH	DO	3,510	1,751
FROZEN	DO	3,746	1,243
TUNA:			
WHOLE:			
ALBACORE	DO	69,801	10,337
OTHER	DO	164,847	19,237
TOTAL	DO	234,648	29,574
OTHER THAN WHOLE:			
ALBACORE	DO	1,815	627
OTHER	DO	4,896	1,512
TOTAL	DO	6,711	2,139
TOTAL TUNA	DO	241,359	31,713
OTHER (INCLUDING WHITE BASS)	DO	9,627	1,881
TOTAL SALT-WATER FISH	DO	384,654	53,140
FILLETS, STEAKS, ETC.:			
GROUNDFISH AND OCEAN PERCH:			
COD	DO	29,564	6,321
HADDOCK, HAKE, POLLOCK, AND CUSK	DO	21,897	5,356
OCEAN PERCH	DO	14,417	3,073
BLOCKS OR SLABS	DO	2/89,672	2/18,515
TOTAL GROUNDFISH AND OCEAN PERCH	DO	155,550	33,265
OTHER:			
FLOUNDER	DO	18,724	5,482
HALIBUT AND SALMON	DO	3,240	1,580
SWORDFISH	DO	13,059	4,448
WOLFFISH (SEA CATFISH)	DO	5,877	1,474
OTHER SALT-WATER	DO	6,726	2,036
YELLOW PIKE	DO	2,282	1,673
OTHER FRESH-WATER	DO	11,805	4,262
TOTAL, OTHER THAN GROUNDFISH	DO	61,713	20,955
TOTAL FILLETS, STEAKS, ETC.	DO	217,263	54,220
FISH STICKS AND SIMILAR PRODUCTS	DO	211	64
TOTAL FISH, FRESH AND FROZEN	DO	641,783	121,289

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

IMPORTS OF FISHERY PRODUCTS ENTERED FOR CONSUMPTION, 1960 - Continued

(VALUE IN THOUSANDS OF DOLLARS)

ITEM		QUANTITY	VALUE
EDIBLE FISHERY PRODUCTS - CONTINUED			
FRESH OR FROZEN - CONTINUED:			
SHELLFISH, ETC.:			
CLAMS (IN SHELL OR SHUCKED)	1,000 POUNDS	969	195
CRABS:			
FRESH OR FROZEN (INCLUDING PREPARED OR PRESERVED, EXCEPT CANNED)	DO	816	222
CRAB MEAT (FRESH COOKED)	DO	284	226
LOBSTERS:			
COMMON (INCLUDES FRESH-COOKED MEAT)	DO	21,403	14,018
SPINY	DO	32,346	30,750
OYSTERS:			
EXCEPT SEED OYSTERS	DO	85	44
OTHER (PRINCIPALLY SEED OYSTERS)	DO	2,501	268
SCALLOPS	DO	6,873	2,754
SHRIMP AND PRAWN (MAY INCLUDE SOME DRIED AND CANNED)	DO	113,418	56,406
FROG LEGS (INCLUDES PREPARED AND PRESERVED)	DO	2,617	1,784
TURTLES (LIVE ONLY)	DO	471	41
TOTAL SHELLFISH, ETC., FRESH OR FROZEN	DO	181,783	106,708
TOTAL FRESH OR FROZEN FISH, SHELLFISH, ETC.	DO	823,566	227,997
CANNED:			
FISH:			
ANCHOVIES:			
IN OIL	DO	5,160	2,173
NOT IN OIL	DO	96	28
HERRING, NOT IN OIL	DO	10,591	2,682
SALMON, NOT IN OIL	DO	19,113	7,541
SARDINES:			
IN OIL	DO	21,236	8,330
NOT IN OIL	DO	6,141	785
TUNA:			
IN OIL:			
ALBACORE	DO	387	154
OTHER	DO	209	67
TOTAL IN OIL	DO	596	221
NOT IN OIL:			
ALBACORE	DO	15,775	6,830
OTHER	DO	35,384	12,091
TOTAL, NOT IN OIL	DO	51,159	18,921
BONITO AND YELLOWTAIL:			
IN OIL	DO	7,109	1,699
NOT IN OIL	DO	2,795	599
TOTAL BONITO AND YELLOWTAIL	DO	9,904	2,298
POLLOCK, SMOKED	DO	24	9
ANTIPASTO, IN OIL	DO	335	197
FISH CAKES, BALLS, AND PUDDING	DO	2,145	482
CAVIAR AND OTHER FISH ROE (MAY INCLUDE SOME NOT CANNED)	DO	483	722
FISH PASTE AND SAUCE	DO	158	82
OTHER FISH:			
IN OIL	DO	437	212
NOT IN OIL	DO	3,021	862
TOTAL CANNED FISH	DO	130,599	45,545
SHELLFISH, ETC.:			
ABALONE (MAY INCLUDE FRESH, DRIED, AND CANNED PASTE AND SAUCE)	DO	5,823	2,265
CLAMS:			
RAZOR	DO	72	36
OTHER	DO	1,023	636
CHOWDER, JUICE, ETC.	DO	6	2
CRAB MEAT (INCLUDES PASTE AND SAUCE)	DO	4,507	5,514
LOBSTER MEAT:			
COMMON	DO	2,406	4,382
SPINY	DO	533	857
OYSTERS AND OYSTER JUICE	DO	7,025	2,276
SHELLFISH PASTE AND SAUCE	DO	111	59
OTHER SHELLFISH	DO	2,832	1,046
TOTAL CANNED SHELLFISH, ETC.	DO	24,338	17,073
TOTAL CANNED FISH, SHELLFISH, ETC.	DO	154,937	62,618

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

IMPORTS OF FISHERY PRODUCTS ENTERED FOR CONSUMPTION, 1960 - Continued

(VALUE IN THOUSANDS OF DOLLARS)

ITEM		QUANTITY	VALUE
EDIBLE FISHERY PRODUCTS - CONTINUED			
CURED:			
DRIED (UNSALTED):			
COD, HADDOCK, HAKE, POLLOCK, AND CUSK	1,000 POUNDS	850	393
SHARK FINS	DO	237	113
OTHER	DO	141	102
TOTAL DRIED (UNSALTED)	DO	1,228	608
PICKLED OR SALTED:			
COD, HADDOCK, HAKE, POLLOCK, AND CUSK:			
SKINNED OR BONED	DO	8,805	2,531
OTHER	DO	38,550	6,904
HERRING	DO	29,294	3,924
MACKEREL	DO	3,286	603
SALMON	DO	8	7
OTHER	DO	702	313
TOTAL PICKLED OR SALTED	DO	80,645	14,282
SMOKED OR KIPPERED:			
COD, HADDOCK, HAKE, POLLOCK, AND CUSK:			
WHOLE, BEHEADED, EVISCERATED OR BOTH	DO	341	88
FILLETS, STEAKS, ETC.	DO	1,717	464
HERRING:			
WHOLE OR BEHEADED:			
HARD DRY-SMOKED	DO	696	72
OTHER	DO	368	65
BONED	DO	826	198
NOT BONED (EVISCERATED, SPLIT)	DO	786	157
SALMON	DO	48	55
OTHER	DO	13	5
TOTAL SMOKED OR KIPPERED	DO	4,795	1,104
TOTAL CURED	DO	86,668	15,994
OTHER FISH AND SHELLFISH, NOT ESPECIALLY PROVIDED FOR.	DO	2,289	771
TOTAL EDIBLE FISHERY PRODUCTS	DO	1,067,460	307,380
NONEDIBLE FISHERY PRODUCTS			
OILS, FISH AND MARINE ANIMAL:			
COD:			
INDUSTRIAL	1,000 GALLONS	1,052	577
MEDICINAL	DO	1,264	1,395
HALIBUT LIVER	DO	2	34
HERRING	DO	23	14
MENHADEN	DO	(3)	(3)
SEAL	DO	7	2
SHARK, INCLUDING GRAYFISH, LIVER	DO	9	88
SOD	DO	102	35
WHALE:			
SPERM, REFINED	DO	529	386
SPERM, CRUDE	DO	4,307	2,559
OTHER	DO	1	5
OTHER:			
BODY	DO	14	7
LIVER	DO	68	1,615
TOTAL FISH AND MARINE ANIMAL OIL	DO	7,378	6,717
MEAL AND SCRAP:			
ANIMAL FEED	1,000 TONS	108	9,254
FERTILIZER	DO	24	1,814
TOTAL MEAL AND SCRAP	DO	132	11,068
COD LIVER OIL CAKE AND MEAL	1,000 POUNDS	651	44
FISH SOLUBLES	1,000 TONS	3	168
FISH SOUNDS	1,000 POUNDS	16	35
FISH LIVERS FOR DRUGS	DO	244	54
GLUE	DO	511	81
ISINGLASS	DO	22	17
PEARL ESSENCE	DO	57	381
AQUARIUM FISH (INCLUDING GOLDFISH)		-	382
FISH (OTHER THAN FOR HUMAN CONSUMPTION)		-	3,907
CUTTLEFISH BONE	1,000 POUNDS	272	126
SHELLS AND BUTTONS:			
SHELLS, UNMANUFACTURED:			
MOTHER-OF-PEARL AND TROCHUS SHELL	DO	1,426	642
OTHER	DO	2,734	275

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

IMPORTS OF FISHERY PRODUCTS ENTERED FOR CONSUMPTION, 1960 - Continued

(VALUE IN THOUSANDS OF DOLLARS)

ITEM		QUANTITY	VALUE
NONEDIBLE FISHERY PRODUCTS - CONTINUED			
SHELLS AND BUTTONS - CONTINUED:			
SHELL AND MOTHER-OF-PEARL, ORNAMENTED	-	-	342
OCEAN AND FRESH-WATER PEARL OR SHELL BUTTONS AND BLANKS	1,000 GROSS	671	520
PEARLS:			
CULTURED	-	-	13,934
NATURAL	-	-	629
TOTAL PEARLS	-	-	14,563
WHALEBONE	-	-	(3)
AMBERGRIS	1,000 POUNDS	(3)	18
SPERMACETI WAX	DO	205	41
AQUATIC LEATHERS:			
FISH AND SHARK SKINS, RAW OR SALTED	DO	921	74
SEAL SKINS:			
RAW (NOT FUR SKINS)	DO	423	190
FUR SKINS	1,000 PIECES	31	222
WALRUS LEATHER	1,000 POUNDS	5	9
REPTILE SKINS (RAW)	1,000 PIECES	4,128	2,761
REPTILIAN AND SHARK SKIN PRODUCTS	-	-	6,852
MOSS AND SEAWEEDS	-	-	442
KELP	1,000 POUNDS	38,260	316
AGAR-AGAR	DO	608	944
SODIUM ALGINATE	DO	305	211
SPONGES:			
SHEEPSWOOL	DO	59	277
YELLOW, GRASS OR VELVET	DO	15	26
HARDHEAD, REEF AND OTHER	DO	112	949
TOTAL SPONGES	DO	186	1,252
CORAL, UNCUT, UNMANUFACTURED	DO	480	31
TOTAL NONEDIBLE FISHERY PRODUCTS	-	-	52,685
GRAND TOTAL	-	-	360,065

1/ INCLUDES BUREAU OF CUSTOMS DATA ON IMPORTS OF FRESH HERRING INTO MAINE, WHICH AMOUNTED TO 74,305,492 POUNDS. BUREAU OF THE CENSUS DATA WHICH DID NOT INCLUDE MOST ENTRIES VALUED AT LESS THAN $250 AMOUNTED TO 20,702,853 POUNDS.

2/ INCLUDES BLOCKS OF BITS AND PIECES.

3/ LESS THAN 1,000 UNITS OR $1,000.

NOTE:--THE DATA INCLUDE IMPORTS TO UNITED STATES TERRITORIES AND POSSESSIONS. IMPORTS OF FRESH AND FROZEN "OTHER TUNA" INCLUDE 8,500,000 POUNDS OF SKIPJACK, AND 6,026,000 POUNDS OF YELLOWFIN TUNA LANDED BY UNITED STATES FLAG VESSELS IN SOUTH AMERICA AND TRANSSHIPPED TO CALIFORNIA. THIS CATCH HAS NOT BEEN INCLUDED IN CALIFORNIA CATCH STATISTICS.

U. S. IMPORTS OF FISH MEAL AND SCRAP, 1960

(THOUSANDS OF TONS AND THOUSANDS OF DOLLARS)

COUNTRY OF ORIGIN	QUANTITY	VALUE
CANADA	31	3,287
PERU	68	5,301
CHILE	21	1,452
ICELAND	3	261
UNION OF SOUTH AFRICA	7	659
OTHER COUNTRIES	2	108
TOTAL	132	11,068

U. S. IMPORTS OF FRESH AND FROZEN TUNA, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

COUNTRY OF ORIGIN	ALBACORE		OTHER TUNA		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
MEXICO	154	11	3,907	284	4,061	295
TRINIDAD	1,666	172	5,502	542	7,168	714
ECUADOR	-	-	9,796	966	9,796	966
PERU	199	20	40,549	4,577	40,748	4,597
TAIWAN	52	8	1,194	179	1,246	187
JAPAN	58,801	9,198	82,567	11,289	141,368	20,487
AUSTRALIA	-	-	1,513	212	1,513	212
BRITISH WESTERN PACIFIC ISLANDS	7,455	1,118	2,964	447	10,419	1,565
WESTERN AFRICA	22	3	9,396	987	9,418	990
BRITISH WESTERN AFRICA	3,118	408	9,369	988	12,487	1,396
OTHER COUNTRIES	149	25	2,986	279	3,135	304
TOTAL	71,616	10,963	169,743	20,750	241,359	31,713

NOTE:--PRINCIPALLY FROZEN. INCLUDES COOKED LOINS AND DISCS.

U. S. IMPORTS OF SHRIMP, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

COUNTRY OF ORIGIN	QUANTITY	VALUE
MEXICO	73,583	31,285
EL SALVADOR	6,697	4,214
PANAMA	8,423	5,674
COLOMBIA	2,174	1,568
BRITISH GUIANA	3,568	2,328
ECUADOR	4,192	2,793
IRAN	1,226	988
INDIA	2,892	1,251
PAKISTAN	1,018	405
JAPAN	2,947	1,880
EGYPT	1,667	1,003
OTHER COUNTRIES	5,031	3,017
TOTAL	113,418	56,406

NOTE:--PRINCIPALLY FROZEN

U. S. IMPORTS OF FRESH AND FROZEN LOBSTER AND SPINY LOBSTER, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

COUNTRY OF ORIGIN	QUANTITY	VALUE
CANADA	21,403	14,018
MEXICO	1,101	914
BAHAMAS	1,821	692
CUBA	2,578	2,226
BRAZIL	2,378	1,744
AUSTRALIA	8,291	9,147
NEW ZEALAND	2,696	2,543
UNION OF SOUTH AFRICA	9,215	9,767
OTHER COUNTRIES	4,266	3,717
TOTAL	53,749	44,768

U. S. IMPORTS OF FILLETS, STEAKS, ETC., 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

COUNTRY OF ORIGIN	QUANTITY	VALUE
GROUNDFISH AND OCEAN PERCH (INCLUDING BLOCKS OR SLABS OF PIECES):		
GREENLAND	3,867	776
CANADA	102,163	21,598
MIQUELON AND ST. PIERRE ISLANDS	1,257	251
ICELAND	32,263	7,423
NORWAY	4,614	951
DENMARK	7,019	1,394
WEST GERMANY	3,238	625
OTHER COUNTRIES	1,129	247
TOTAL	155,550	33,265
OTHER THAN GROUNDFISH:		
GREENLAND	1,356	373
CANADA	36,220	12,864
MEXICO	2,181	600
ICELAND	1,484	458
NORWAY	1,722	397
WEST GERMANY	1,113	263
JAPAN	15,132	5,239
OTHER COUNTRIES	2,505	761
TOTAL	61,713	20,955
GRAND TOTAL	217,263	54,220

U. S. IMPORTS OF CANNED SARDINES IN OIL, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

COUNTRY OF ORIGIN	QUANTITY	VALUE
NORWAY	12,433	5,043
DENMARK	974	395
PORTUGAL	6,340	2,354
MOROCCO	766	251
OTHER COUNTRIES	723	287
TOTAL	21,236	8,330

U. S. IMPORTS OF CANNED TUNA IN BRINE, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

COUNTRY OF ORIGIN	ALBACORE		OTHER TUNA		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ECUADOR	-	-	2,273	568	2,273	568
PERU	18	4	1,493	385	1,511	389
SPAIN	1,487	575	176	67	1,663	642
PORTUGAL	305	84	1,509	402	1,814	486
JAPAN	13,381	5,975	29,259	10,462	42,640	16,437
OTHER COUNTRIES	584	192	674	207	1,258	399
TOTAL	15,775	6,830	35,384	12,091	51,159	18,921

NOTE:--TUNA CANNED IN OIL FROM VARIOUS COUNTRIES AMOUNTED TO 596,000 POUNDS VALUED AT $221,000.

U. S. IMPORTS OF CANNED BONITO AND YELLOWTAIL, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

COUNTRY OF ORIGIN	IN OIL		NOT IN OIL		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
PERU	6,829	1,600	2,516	509	9,345	2,109
OTHER COUNTRIES	280	99	279	90	559	189
TOTAL	7,109	1,699	2,795	599	9,904	2,298

U. S. IMPORTS OF FISHERY PRODUCTS, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

COUNTRY OF ORIGIN	EDIBLE		NON-EDIBLE	TOTAL
	QUANTITY	VALUE	VALUE	VALUE
CANADA	386,643	97,294	5,583	102,877
JAPAN	247,483	64,704	20,552	85,256
MEXICO	93,980	36,390	315	36,705
PERU	52,248	7,382	6,888	14,270
NORWAY	47,582	11,679	827	12,506
UNION OF SOUTH AFRICA	15,527	11,030	1,000	12,030
AUSTRALIA	9,997	9,468	371	9,839
ICELAND	35,890	8,842	464	9,306
PANAMA	8,887	5,761	6	5,767
PORTUGAL	13,733	4,973	316	5,289
ECUADOR	16,593	4,467	-	4,467
DENMARK	13,465	4,258	84	4,342
EL SALVADOR	6,697	4,215	(1)	4,215
WEST GERMANY	5,781	1,292	2,808	4,100
BRAZIL	2,426	1,786	2,130	3,916
CUBA	3,753	3,266	635	3,901
CHILE	1,777	1,070	1,560	2,630
NEW ZEALAND	3,175	2,591	19	2,610
NETHERLANDS	5,902	1,660	902	2,562
BRITISH GUIANA	3,568	2,328	47	2,375
INDIA	3,833	1,740	623	2,363
FRANCE	5,968	1,551	766	2,317
COLOMBIA	2,175	1,573	319	1,892
UNITED KINGDOM	4,203	604	1,155	1,759
SPAIN	4,166	1,613	182	1,795
BRITISH WESTERN PACIFIC ISLANDS	10,430	1,628	6	1,634
WESTERN PORTUGUESE AFRICA	12,487	1,397	10	1,407
IRAN	1,727	1,304	(1)	1,304
HONG KONG	1,023	920	205	1,125
ARGENTINA	177	69	948	1,017
EGYPT	1,667	1,003	(1)	1,003
WESTERN AFRICA - N.E.C.	9,418	991	6	997
GREENLAND	7,662	992	(1)	992
TRINIDAD AND TOBAGO	7,365	839	24	863
OTHER	20,052	6,700	3,934	10,634
TOTAL	1,067,460	307,380	52,685	360,065

1/ LESS THAN $500.

U. S. EXPORTS OF FISHERY PRODUCTS, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

COUNTRY OF DESTINATION	EDIBLE		NON-EDIBLE	TOTAL
	QUANTITY	VALUE	VALUE	VALUE
CANADA	13,001	7,191	3,118	10,309
NETHERLANDS	9,851	8,193	267	8,460
UNITED KINGDOM	818	554	3,796	4,350
JAPAN	1,292	777	2,518	3,295
PHILIPPINES	16,922	2,464	30	2,494
SWEDEN	256	194	2,419	2,613
WEST GERMANY	149	128	2,073	2,201
NORWAY	7	4	1,386	1,390
SWITZERLAND	135	35	1,047	1,082
FRANCE	1,131	807	241	1,048
ITALY	213	58	585	643
MEXICO	603	245	371	616
BELGIUM	783	416	121	537
VENEZUELA	619	439	22	461
AUSTRALIA	594	420	24	444
NEW ZEALAND	1,940	316	1	317
GREECE	2,993	312	1	313
ECUADOR	1,634	292	1	293
HONG KONG	617	235	34	269
NETHERLANDS ANTILLES	286	225	1	226
EL SALVADOR	785	165	36	201
COSTA RICA	975	200	1	201
CUBA	723	136	39	175
BAHAMAS	173	125	18	143
PANAMA	543	133	-	133
JAMAICA	403	126	7	133
BERMUDA	111	95	10	105
DENMARK	23	15	90	105
SINGAPORE	196	102	-	102
OTHER	3,678	1,220	286	1,506
TOTAL	61,454	25,622	18,543	44,165

SECTION 2 - NEW ENGLAND FISHERIES

The commercial fisheries of Maine, New Hampshire, Massachusetts, Rhode Island, and Connecticut in 1960 yielded a catch of only 852 million pounds valued at about $61 million to the fishermen. This was 81 million pounds less than in 1959 and the lowest since 1947. The value was the smallest since 1957, but the highest average per pound price received by fishermen since 1951. Although Maine landings were heavier than in 1959, and New Hampshire showed a slight gain, other States registered decreases.

The major factor contributing to the low 1960 catch was poor demand for otter trawl caught industrial fish. Landings plunged from 153 million pounds in 1959 to only 34 million pounds in 1960. The value was down over $1 million. There were moderate decreases in the catches of menhaden, whiting, cod, pollock, bluefin tuna, and shad. The total catch would have been lower had there not been a gain in landings of sea herring which increased from 121 million pounds in 1959 to 155 million pounds in 1960. Receipts of sea scallops established a new record, and the catch of Maine lobsters (24 million pounds) approached the 1889 record catch of 25 million pounds. Haddock, alewives, flounders, ocean perch, and red hake landings were larger in 1960 than in 1959.

Weather was a factor in the New England fishery production. In the first week of March, the worst blizzard in New England's recent history brought the fishing industry to a standstill. In September, a hurricane prevented fishing for a period. The storm wreaked havoc on the pound net fishery of Cape Cod where 15 out of the 24 traps were rendered inoperative. Another blizzard in mid-December again suspended fishing activities.

New England lost 15 vessels at sea in 1960--one went down with a crew of three men. There was a sizeable increase in the number of vessels issued first documents as fishing craft. However, most were small older vessels entering miscellaneous minor fisheries. While there was some new vessel construction for the area's flounder and scallop fisheries, no new fishing vessels were built.

There were 22,000 fishermen engaged in New England fisheries in 1960--about 1,000 more than in 1959. This increase took place in the shore and boat fishery. Fewer men fished aboard vessels. Fishing craft operated during the year consisted of 742 vessels with a total gross weight of 44,514 tons, 11,356 motor boats, and 705 other boats.

Wholesale and manufacturing fishery firms operated in New England States in 1960 numbered 568--a few more than in 1959. The plants employed over 14,000 persons. Short term labor-management disputes at Boston and Gloucester in the spring idled some plants and curtailed production. Plant replacements were few, and existing facilities were taxed heavily to maintain production. Manufactured fishery products were valued at almost $117 million--nearly $4 million more than in 1959. Increases in the value of manufactured packaged raw fillets and steaks, breaded fish and shellfish, and fish and shellfish speciality items offset the sharp decrease in the value of byproducts. Principal manufactured products produced were canned sardines (sea herring), clam products, and animal food; packaged fresh and frozen fillets, sticks and portions, sea scallops, and speciality items; and byproducts (meal, oil, solubles, Irish moss extract, kelp extract, pearl essence, and marine pearl shell buttons).

The domestic production of groundfish fillets amounted to 93.8 million pounds. This was slightly above the 91.1 million pounds produced in 1959 but nearly 55 million pounds less than the 148.8 million pound peak domestic production of 1951. In 1960, the total supply of groundfish fillets (domestic production plus imports) amounted to 249 million pounds. Only 38 percent of the supply came from domestically caught fish. The remainder (62 percent) was imported.

New England continued as the leading producing area for frozen fish sticks and portions. Cooked fish dinners became an important item in the speciality field. The main course of these dinners was mostly haddock and cod prepared from frozen fish blocks.

Processors had a fairly successful year and kept many shore workers employed. Increased activity in shore plants did not, however, greatly affect the domestic catch of groundfish, since requirements for these fish were met chiefly from imports of frozen blocks of groundfish fillets.

Almost all New England groundfish processors found it necessary to supplement domestic production with foreign products. In 1960, frozen blocks of groundfish fillets entered this country at a lower tariff rate than heretofore. The U. S. Bureau of Customs clarified its July 1959 ruling that allowed foreign frozen blocks of fish fillets (if block and container weigh 15 pounds or more) to enter the United States under Tariff paragraph 720 at 1 cent a pound. To qualify, shipments must contain a reasonable amount (at least 2 percent) of bits, pieces, and trimmings. Prior to the July 1959 ruling by the U.S. Customs Court in New York, all blocks of fish fillets entered under Tariff paragraph 717 as fillets at the rate of 1-7/8 cents and 2-1/2 cents a pound.

After many years of constantly increasing imports of groundfish fillets, the trend establishing a new record each year was broken in 1960 when imports amounted to 155.6 million pounds--29 million pounds less than in 1959. Despite the decline, imports were larger than for any year prior to 1959.

The 1960 Maine pack of sardines (sea herring) was a few thousand cases short of industry's preseason goal of 2 million cases. The pack was valued at $16.7 million--the highest since 1954. Fishing was poor early in the season indicating that the pack might be smaller than in 1959. However, fishing improved and the bulk of the catch was of good canning size. By mid-October the pack had exceeded that of 1959. About 85 percent of the production was processed in soybean oil. Sardines in mustard and tomato sauce comprised most of the remainder. The most popular size case was the 3-3/4 ounce net can packed 100 to a case. Good demand for the moderate supply of canned sardines kept wholesale prices at a high level. The pack was reported of excellent quality due to the industry's quality control and mandatory grading program.

In the years since World War II, landings of otter trawl caught industrial fish for producers of fish meal, oil, and animal foods had become an important part of the New England fishery economy. However, this industry was adversely affected by a combination of factors which began in 1959. In that year, production of fish meal and solubles was heavy and imports of these products reached the highest level since 1954. Hog and poultry farmers experienced depressed conditions owing to falling prices for their products. Since the farmers were the principal users of fish meal and solubles, high supply was coupled with sluggish demand. Inventories rose and prices fell for both domestic and imported products.

The problems of marketing fish meal and oil continued into 1960, and operations by the industrial fishing fleets and byproducts plants were curtailed. Several plants were closed for periods, and one was dismantled. Firms that did operate paid fishermen lower prices for raw material. The lighter landings and lower ex-vessel prices caused a $1 million drop in payments for industrial fish. The decline in these landings was the principal reason for the New England catch falling to the lowest level since 1947.

Because of the limited activity in the industrial fish industry, many vessels shifted to other fisheries, particularly in the summer. This resulted in an increase in otter trawl caught haddock, ocean perch, and flounders. However, lower ex-vessel prices prevailed at all ports in 1960 for most items.

NEW ENGLAND FISHERIES

Species that support the hard-pressed New England fillet industry--groundfish and ocean perch--were landed in about the same volume as in 1959. Cod and pollock catches were less while landings of haddock and ocean perch showed good increases. Average prices paid to fishermen were 15 percent below the previous year's level.

The heavier haddock landings in 1960 were due to a good scrod catch. Scrod haddock landings were up while large haddock landings were down. With little interruption, there has been a steady downward trend in the catch of large haddock from 1938 through 1960. This indicates there are fewer larger fish available on the grounds. Scientists attributed the heavy landings in 1960 to good spawning and survival of the 1958 year class.

The area's ocean perch fishery recovered slightly in 1960 from the 1959 low. The fleet operated at capacity. More trips were completed by fewer vessels. Gloucester trawlers turned more to the Nova Scotia banks in 1960 and away from the distant Gulf of St. Lawrence and Grand Banks which had supplied a large part of the catch through most of the 1950's.

Sea scallops were landed in record volume in 1960, mostly at New Bedford, Massachusetts. The predominance of high-priced sea scallops allowed New Bedford to lead New England ports in ex-vessel value of fishery landings and to be the second ranking port in the nation on the basis of value. Georges Bank, off the Massachusetts Coast, produced scallops at a rate unparalleled since the Bureau began studies on the fishery nearly 20 years ago. The usual 10-day scalloping trips of past years were cut in half because of the excellent catches. Bureau scientists reported that the abundance of sea scallops on Georges Bank was the result of an unusually heavy set in 1955. The quick catches meant more trips and more scallops. However, dockside prices declined and reached the lowest level since World War II.

The scallop industry found itself with supplies that greatly exceeded demand. At the request of industry, the Bureau of Commercial Fisheries conducted a national campaign to promote greater consumption of scallops. A large volume was moved, and the market strengthened toward the end of the year.

Flounder landings were exceptionally good in 1960. Ex-vessel prices were generally lower, but the increased volume brought fishermen an added $210,000. Landings of yellowtail, the leading flounder, totaled 30 million pounds. This species was abundant on Georges Bank, Nantucket Shoals, off No Man's Land, and East of the Channel. The latter area was unusually productive in October. However, heavy landings forced prices to a low level. Some fishermen dumped their catches rather than sell at the reduced prices. Other vessels remained in port for more than a week after the price drop. Fortunately, conditions improved within a short period and vessels resumed fishing. Lemon sole and blackback flounder landings were excellent. Heaviest landings occurred in May when these species moved into shallow waters and were fished by small and medium trawlers. Landings of the higher priced fluke were the heaviest since 1957.

Landings of whiting in 1960 amounted to 104 million pounds--nearly 7 million pounds less than in 1959. Maine experienced its poorest season in several years, and the catch was down 12 million pounds. The usual heavy run of whiting in Maine waters failed to materialize in June, and many whiting vessels were forced into other fisheries. Portland trawlers were at odds with the Massachusetts whiting fleet because of the latter's activity on the whiting fishing grounds in Casco Bay off the Maine Coast. Landings at Massachusetts ports were 4 million pounds larger than in 1959. They would have been greater had not processors curtailed production when the market appeared on the decline in midsummer.

NEW ENGLAND FISHERIES

Landings of sea herring at New England ports totaled 155 million pounds--28 percent greater than in 1959. Over 98 percent (152 million pounds) of the catch was landed in Maine--about 35 million pounds more than was landed there in 1959. Imports into Maine from Canada totaled 74 million pounds--10 million pounds more than in the previous year. Fishing was poor in June and July but improved late in summer. Marketable size fish comprised the bulk of the catch. In the previous year, there had been an unusually high percentage of undesirable large fish. The 1960 catch was comprised of many fish taken in the Eastern area (Washington County) where fishermen reported the best catches in years. The Central area rebounded from a particularly poor year in 1959 to nearly normal production in 1960. Fishing was spotty and productivity was limited in the Western area (Portland). Most of the domestically caught and imported sea herring were used to pack sardines.

Russian trawlers, which had previously been observed fishing off Newfoundland, made an appearance on Georges Bank in August 1960. The vessels were sighted about 160 miles off Boston Lightship. More than 160 Russian mother and catcher vessels (some of them up to 14,000 tons) were reported off Newfoundland.

There was little progress made in establishing a New England tuna fishery in 1960 (see Fish and Wildlife Service Statistical Digest No. 51, page 78). Although interest continued, establishment of a large-scale tuna fishery in the area did not occur. One plant received approval from the Gloucester Community Pier Association to construct a tuna cannery on the Gloucester Fish Pier. Attempts to interest vessels to convert to tuna longlining were unsuccessful, and the cannery was not constructed.

The Provincetown tuna purse seiner, Silver Mink, completed its shortest of three seasons. The vessel landed only 611,000 pounds of bluefin tuna compared with 1.7 million pounds in 1959. Scarcity of fish and a short season greatly reduced landings. Start of the season was delayed while arrangements were made with a cannery to handle the catch, and considerable time was lost due to adverse weather. In 1960, for the first time, aerial scouting for tuna was used by the vessel.

New England's fishing vessels continued to pay high insurance premiums, particularly for hull and protection, and indemnity insurance. It was hoped that continuation of the Bureau's safety program for New England fishing vessels would eventually result in lowering the rates. Progress was made in improving safety conditions with 109 safety items such as skid-resistant decking, inflatable life rafts, safety fish hoists, and emergency water pumps. Many of these have been adopted by the New England fleet during the past 3 years.

On June 12, 1960, the President signed P.L. 86-516 authorizing the Secretary of the Interior to pay a subsidy for the construction of fishing vessels in shipyards of the United States. The Fishing Vessel Construction Subsidy program became effective in September 1960. In the closing days of Congress, $750,000 was appropriated for immediate use in construction differential payments. The Act authorized $2.5 million annually for 3 years. It was believed that the Act would benefit New England fishing interests.

The President, in July, signed S. 2481 which authorizes the Secretary of the Interior to initiate a Fishing Vessel Mortgage Insurance Program. This program aroused interest among fishermen and private financial institutions in New England. The program provided for the insurance of mortgages given in connection with the construction, reconstruction, and reconditioning of a fishing vessel, up to 75 percent of the "actual cost" of the vessel. The Mortgage Insurance Program was designed to supplement the Fisheries Loan Fund Program, with funds provided by banks and private lenders. The program is for use in conjunction with the Vessel Construction Subsidy Program.

NEW ENGLAND FISHERIES

A study of costs of fishing in New England and Canadian groundfish industries, conducted by the Bureau of Business Research, Boston College, under a contract awarded by the U.S. Bureau of Commercial Fisheries, was completed in 1960. The study was designed to further analyze causes for the decline of the New England groundfish industry, and to compare its performance with the Canadian groundfish industry. In addition to the cost analysis, the study covered basic principles and theoretical economic aspects of operations of the domestic industry. Suggestions were given concerning a more rational economic approach to operations of the domestic industry.

The report pointed out that the New England groundfish fleet is comprised of a dissimilar group of vessels engaged in separate and distinct fisheries. Vessels are generally becoming old and are not being replaced. This is paralleled with an aging population of fishermen--few young men are entering the fishery. The older vessels are more costly to operate. Trip expenses have increased substantially and are difficult to adjust because of rigid, inflexible items of cost. Revenues, on the other hand, have been on a general downward trend.

Early in 1960, voluntary grade standards became effective for frozen raw breaded fish portions, an important item to New England fisheries. Standards for ocean perch fillets were completed in 1960, but did not become effective until January 22, 1961. Other products produced in New England for which standards had been established were frozen fish sticks, fish blocks, haddock fillets, and cod fillets. Considered for standards were flounder fillets, pollock fillets, frozen fried breaded scallops, and frozen fried breaded portions. Standards were developed by the U.S. Bureau of Commercial Fisheries Technological Laboratory at Gloucester, Massachusetts.

In 1960, the Bureau of Commercial Fisheries dedicated one of the world's finest technological laboratories located at Gloucester, Massachusetts. The new laboratory conducted operations in three major work areas: (1) The development of standards and specifications for fishery products; (2) preservation and engineering studies on vessels and shore; (3) chemical studies on the composition of fish and fishery byproducts.

A 10-member Marine Fisheries Advisory Commission was appointed by the Governor of Massachusetts to attempt to resolve some of the differences and problems of the various segments of marine activities in the State. Representatives from both commercial and sport fisheries were on the Commission and served until December 1. A series of 10 meetings was held throughout the year at important marine centers in the State. The Commission listened to the problems of all phases of marine activities. In a report submitted to the Governor late in the year, the Commission recommended that a permanent 10-man Advisory Commission be established to aid in solving marine problems and conflicts of interest.

The new Bureau of Commercial Fisheries Biological Laboratory at Woods Hole, Massachusetts, was completed early in the year. In March the scientific staff moved into the new quarters, which provide improved facilities for the fishery research biologists in their studies of the North Atlantic fisheries.

The laboratory in 1960 continued its extensive research to aid New England fisheries. The research program in 1960 was directed at problems associated with groundfish and sea scallops upon which much of the New England fishing industry depends. Major investigations centered around cod, haddock, ocean perch, whiting, flounders, and species taken in the industrial trawl fishery. Other shellfish research was devoted to attacking the problem of injurious predators, location of new sources and methods of collecting clam and oyster seed, and development of artificial propagation methods.

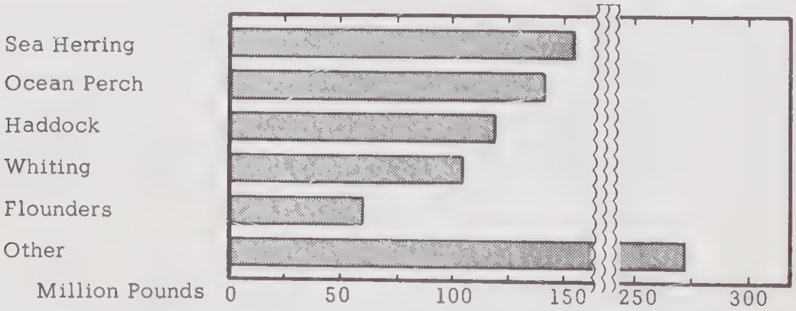
NEW ENGLAND FISHERIES

Plans were well under way for replacement of the research vessel Albatross III which was deactivated in March 1959. A vessel design was completed in late 1960, and construction was scheduled to begin in the first half of 1961. The new research vessel will contain the latest scientific equipment, and will be equipped to fish with a stern trawl. In 1960, the Bureau's exploratory fishing vessel Delaware and a chartered vessel were used to collect biological data at sea.

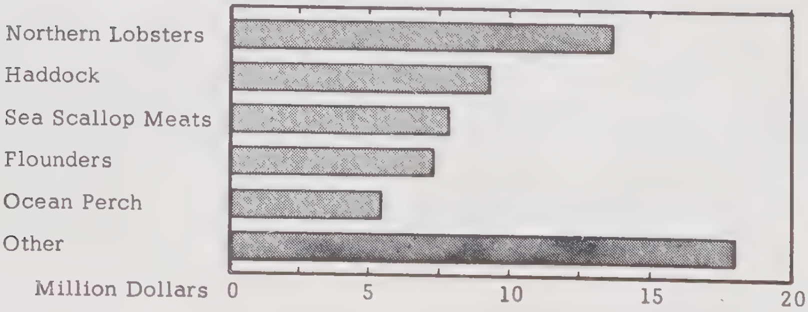
The Bureau acknowledges the assistance of the following organizations in the collection of the data appearing in this section: The Maine Department of Sea and Shore Fisheries; the New Hampshire Fish and Game Department; the Massachusetts Department of Natural Resources, Division of Marine Fisheries; the Rhode Island Department of Agriculture and Conservation, Division of Fish and Game; the Connecticut State Board of Fisheries and Game; and the Connecticut State Shell Fish Commission.

The following tables contain summarized and detailed information on the 1960 operating units and catch of fisheries in the New England States. Condensed summary data on the operating units and catch by States of the New England area, appearing on the following pages, have been previously published in Current Fishery Statistics No. 2763. Additional data on many aspects of the New England fisheries may be found in the Maine, Massachusetts, and Rhode Island monthly and annual landings bulletins released by the Branch of Statistics and in daily, monthly, and annual reports published by the Bureau's Fishery Market News Service, Commonwealth Pier, Boston, Massachusetts.

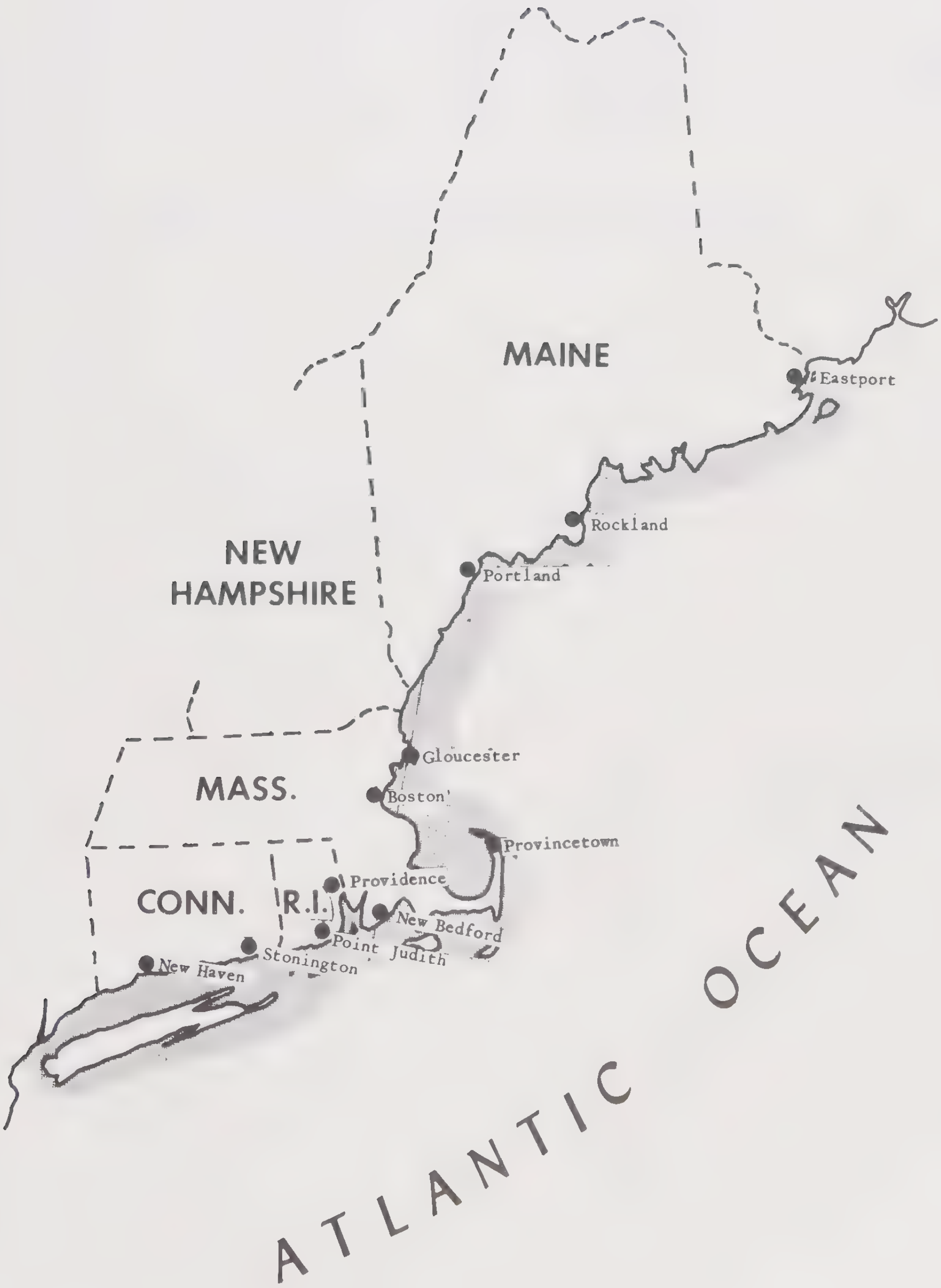
NEW ENGLAND STATES CATCH, 1960



VALUE OF NEW ENGLAND STATES CATCH, 1960



NEW ENGLAND FISHERIES


MAINE
NEW HAMPSHIRE
MASS.
CONN.
R.I.
Eastport
Rockland
Portland
Gloucester
Boston
Provincetown
Providence
New Bedford
Point Judith
Stonington
New Haven
ATLANTIC OCEAN

NEW ENGLAND STATES

NEW ENGLAND FISHERIES

SECTIONAL SUMMARIES

SUMMARY OF CATCH, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

STATE	FISH		SHELLFISH, ETC.		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
MAINE	263,432	6,631	31,209	13,440	294,641	20,071
NEW HAMPSHIRE	194	22	994	408	1,188	430
MASSACHUSETTS	449,628	24,760	30,793	11,187	480,421	35,947
RHODE ISLAND	64,111	1,969	5,207	1,877	69,318	3,846
CONNECTICUT	5,198	367	1,198	813	6,396	1,180
TOTAL	782,563	33,749	69,401	27,725	851,964	61,474

* * *

SUMMARY OF OPERATING UNITS, 1960

ITEM	MAINE	NEW HAMPSHIRE	MASSACHUSETTS	RHODE ISLAND	CONNECTICUT	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	672	-	3,515	411	139	4,349
ON BOATS AND SHORE:						
REGULAR	5,755	88	1,018	553	96	7,510
CASUAL	3,375	239	5,641	511	575	10,341
TOTAL	9,802	327	10,174	1,475	810	22,200
VESSELS, MOTOR	155	-	512	110	52	742
GROSS TONNAGE 1/	9,195	-	35,163	3,120	1,301	44,514
BOATS:						
MOTOR	6,655	94	3,090	967	550	11,356
OTHER	265	8	268	13	18	572
ACCESSORY BOATS	34	-	39	64	3	133
GEAR:						
HAUL SEINES, COMMON	-	-	6	3	8	17
LENGTH, YARDS	-	-	209	600	452	1,261
STOP SEINES	109	-	-	-	-	109
LENGTH, YARDS	49,050	-	-	-	-	49,050
PURSE SEINES:						
HERRING	6	-	-	-	-	6
LENGTH, YARDS	2,750	-	-	-	-	2,750
MACKEREL	3	-	-	-	-	3
LENGTH, YARDS	1,000	-	-	-	-	1,000
MENHADEN	-	-	5	4	-	9
LENGTH, YARDS	-	-	2,525	1,325	-	3,850
TUNA	-	-	1	-	-	1
LENGTH, YARDS	-	-	450	-	-	450
OTHER	1	-	-	-	-	1
LENGTH, YARDS	350	-	-	-	-	350
BAG NETS	7	-	-	-	-	7
OTTER TRAWLS, FISH	138	-	429	99	59	646
YARDS AT MOUTH	3,138	-	11,279	2,362	1,129	15,868
WEIRS	135	7	-	-	-	142
POUND NETS, FISH	-	-	56	-	-	56
FLOATING TRAPS	10	-	23	16	-	49
HOOP AND FYKE NETS, FISH	-	-	-	18	6	24
POTS AND TRAPS:						
CONCH	-	-	100	631	252	983
CRAB	-	-	203	1,335	-	1,538
EEL	-	-	190	454	461	1,105
LOBSTER	709,824	16,750	89,158	10,561	7,581	833,874
BOX TRAPS	5	-	-	-	-	5
GILL NETS:						
ANCHOR	4	-	40	3	-	46
SQUARE YARDS	50,400	-	104,880	1,458	-	142,338
DRIFT	2	2	11	-	56	71
SQUARE YARDS	9,000	4,500	47,000	-	93,018	153,518
STAKE	2	-	-	-	9	11
SQUARE YARDS	180	-	-	-	1,783	1,963
LINES:						
HAND	215	350	1,827	171	33	2,596
HOOKS	349	675	2,079	324	36	3,463
TROLL	-	-	-	24	-	24
HOOKS	-	-	-	31	-	31
LONG OR SET WITH HOOKS	78	2	50	8	-	138
HOOKS	237,000	3,500	165,700	7,200	-	413,400

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

NEW ENGLAND FISHERIES

SUMMARY OF OPERATING UNITS, 1960 - Continued

ITEM	MAINE	NEW HAMPSHIRE	MASSA-CHUSETTS	RHODE ISLAND	CONNECT-ICUT	TOTAL, EXCLUSIVE OF DUPLI-CATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
GEAR - CONTINUED:						
DIP NETS, COMMON	103	-	158	-	387	648
HARPOONS	38	-	123	33	8	195
SPEARS	-	-	6	1	1	8
DREDGES:						
CLAM	-	-	34	39	6	79
YARDS AT MOUTH	-	-	34	39	6	79
MUSSEL	-	-	-	1	-	1
YARDS AT MOUTH	-	-	-	2	-	2
OYSTER, COMMON	3	-	24	-	18	45
YARDS AT MOUTH	3	-	25	-	24	52
SCALLOP	49	-	2,699	-	-	2,738
YARDS AT MOUTH	89	-	2,609	-	-	2,663
TONGS:						
OYSTER	-	-	18	22	16	56
OTHER	-	-	93	768	9	870
RAKES:						
OYSTER	-	-	4	-	-	4
OTHER	15	-	770	193	-	978
HOES	2,153	25	766	4	5	2,953
FORKS	-	-	31	-	-	31
DIVING OUTFITS	-	-	526	-	-	526

1/ PREVIOUSLY THE TONNAGE REPORTED WAS NET TONS.

CATCH BY STATES, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	MAINE		NEW HAMPSHIRE		MASSACHUSETTS	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	1,412	18	95	1	17,651	151
ANCHOVIES	-	-	-	-	3	(1)
ANGLERFISH	-	-	-	-	3	(1)
BLUEFISH	-	-	-	-	15	2
BONITO	-	-	-	-	25	3
BUTTERFISH	14	2	-	-	1,196	137
COD	2,897	144	20	1	31,266	2,021
CUSK	578	28	3	(1)	1,340	71
EELS, COMMON	30	4	6	1	36	2
FLOUNDERS:						
GRAY SOLE	810	81	-	-	2,267	306
LEMON SOLE	2	(1)	-	-	2,673	544
YELLOWTAIL	65	6	-	-	27,701	2,734
BLACKBACK	364	23	-	-	11,677	1,491
DAB	711	41	-	-	2,317	216
FLUKE	-	-	-	-	5,583	1,082
TOTAL FLOUNDERS	1,952	151	-	-	52,218	6,373
HADDOCK	3,834	290	20	2	114,643	9,091
HAKE:						
RED	4	(1)	-	-	7,477	79
WHITE	3,033	109	-	-	2,663	149
HALIBUT	90	24	-	-	180	46
HERRING, SEA	152,327	2,486	-	-	1,960	30
LAUNCE	-	-	-	-	282	15
MACKEREL	301	15	8	2	1,794	263
MENHADEN	35	1	-	-	18,032	174
OCEAN PERCH	78,258	3,010	-	-	63,175	2,410
OCEAN POUT	-	-	-	-	58	1
POLLOCK	3,975	107	5	(1)	18,306	639
SALMON	-	-	-	-	(1)	(1)
SCUP OR PORGY	-	-	-	-	1,223	29
SEA BASS	-	-	-	-	64	[illegible]
SHAD	(1)	(1)	-	-	29	5

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	MAINE		NEW HAMPSHIRE		MASSACHUSETTS	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
SHARKS:						
GRAYFISH	1,000	7	-	-	-	-
UNCLASSIFIED	4	(1)	-	-	18	1
TOTAL SHARKS	1,004	7	-	-	18	1
SKATES	-	-	-	-	64	2
SMELT	66	20	37	15	-	-
STRIPED BASS	(1)	(1)	-	-	129	25
STURGEON	1	(1)	-	-	8	1
SWORDFISH	1	(1)	-	-	713	289
TAUTOG	-	-	-	-	22	1
TILEFISH	-	-	-	-	1,193	65
TUNA, BLUEFIN	166	8	-	-	1,186	68
WHITING	11,123	192	-	-	87,348	1,950
WOLFFISH	85	3	-	-	734	40
UNCLASSIFIED:						
FOR FOOD	30	1	-	-	8,042	465
BAIT, REDUCTION, AND ANIMAL FOOD	2,216	11	-	-	16,526	156
TOTAL FISH	263,432	6,631	194	22	449,628	24,760
SHELLFISH, ETC.						
CRABS:						
GREEN	-	-	-	-	102	10
ROCK	1,225	54	50	4	77	5
TOTAL CRABS	1,225	54	50	4	179	15
LOBSTERS, NORTHERN	24,014	10,967	935	397	3,505	1,795
SHRIMP	89	20	-	-	1	(1)
CLAMS:						
HARD:						
PUBLIC	64	41	-	-	1,382	704
PRIVATE	-	-	-	-	19	17
RAZOR	-	-	-	-	78	20
SOFT, PUBLIC	2,074	823	-	-	731	491
SURF	-	-	-	-	3	(1)
TOTAL CLAMS	2,138	864	-	-	2,213	1,232
CONCHS	-	-	-	-	15	2
MUSSELS, SEA	50	3	-	-	360	29
OYSTERS, MARKET:						
PUBLIC:						
SPRING	1	(1)	-	-	19	17
FALL	2	(1)	-	-	8	8
PRIVATE:						
SPRING	-	-	-	-	44	71
FALL	-	-	-	-	40	57
TOTAL OYSTERS	3	(1)	-	-	111	153
PERIWINKLES AND COCKLES	32	10	-	-	-	-
SCALLOPS:						
BAY	-	-	-	-	926	667
SEA	1,875	658	-	-	20,586	7,165
SEA URCHINS	111	6	-	-	-	-
SQUID	-	-	-	-	1,248	73
IRISH MOSS	509	10	-	-	1,624	34
BLOODWORMS	550	482	6	5	-	-
SANDWORMS	613	366	3	2	25	22
TOTAL SHELLFISH, ETC.	31,209	13,440	994	408	30,793	11,187
GRAND TOTAL	294,641	20,071	1,188	430	480,421	35,947

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	RHODE ISLAND		CONNECTICUT		TOTAL	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	-	-	- 20	(1)	19,178	170
AMBERJACK	7	(1)	-	-	7	(1)
ANCHOVIES	24	2	-	-	27	2
ANGLERFISH	5	(1)	-	-	8	(1)
BLUEFISH	34	8	5	1	54	11
BONITO	29	4	-	-	54	7
BUTTERFISH	4,134	320	126	11	5,470	470
CARP	-	-	4	(1)	4	(1)
COD	822	62	250	16	35,255	2,244
CUSK	-	-	(1)	(1)	1,927	99
EELS:						
COMMON	43	8	19	3	134	18
CONGER	37	1	-	-	37	1
FLOUNDERS:						
GRAY SOLE	15	1	-	-	3,092	388
LEMON SOLE	5	1	-	-	2,680	545
YELLOWTAIL	2,110	186	160	14	30,036	2,940
BLACKBACK	2,415	158	1,079	70	15,535	1,742
DAB	6	1	-	-	3,034	258
FLUKE	1,278	237	321	61	7,182	1,380
TOTAL FLOUNDERS	5,829	584	1,560	145	61,559	7,253
HADDOCK	98	7	20	1	118,615	9,391
HAKE:						
RED	29	1	28	1	7,538	81
WHITE	13	(1)	-	-	5,709	258
HALIBUT	-	-	-	-	270	70
HERRING, SEA	250	12	130	6	154,667	2,534
KING WHITING OR "KINGFISH"	1	(1)	-	-	1	(1)
LAMPREY	-	-	(1)	(1)	(1)	(1)
LAUNCE	-	-	-	-	282	15
MACKEREL	123	27	12	3	2,238	310
MENHADEN	24,549	221	13	(1)	42,629	396
MULLET	9	1	-	-	9	1
OCEAN PERCH	-	-	-	-	141,433	5,420
OCEAN POUT	-	-	-	-	58	1
POLLOCK	39	1	2	(1)	22,327	747
SALMON	-	-	-	-	(1)	(1)
SCUP OR PORGY	6,516	298	1,132	61	8,871	388
SEA BASS	210	38	36	6	310	50
SEA ROBIN	209	2	5	(1)	214	2
SEA TROUT OR WEAKFISH, GRAY	2	(1)	1	(1)	3	(1)
SHAD	3	(1)	400	66	432	71
SHARKS:						
GRAYFISH	1	(1)	5	(1)	1,006	7
UNCLASSIFIED	1	(1)	3	(1)	26	1
TOTAL SHARKS	2	(1)	8	(1)	1,032	8
SKATES	7	(1)	19	(1)	90	2
SMELT	-	-	(1)	(1)	103	35
STRIPED BASS	77	15	5	1	211	41
STURGEON	3	(1)	6	1	18	2
SUCKERS	-	-	(1)	(1)	(1)	(1)
SWELLFISH	17	1	-	-	17	1
SWORDFISH	211	84	17	7	942	380
TAUTOG	68	3	22	1	112	5
THIMBLE-EYED MACKEREL	25	1	-	-	25	1
TILEFISH	1,019	69	-	-	2,212	134
TUNA, BLUEFIN	38	3	-	-	1,390	79
WHITE PERCH	4	(1)	-	-	4	(1)
WHITING	4,458	104	708	16	103,637	2,262
WOLFFISH	-	-	-	-	819	43
UNCLASSIFIED:						
FOR FOOD	39	2	239	15	8,350	483
BAIT, REDUCTION, AND ANIMAL FOOD	15,128	90	411	6	34,281	263
TOTAL FISH	64,111	1,969	5,198	367	782,563	33,749

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

NEW ENGLAND FISHERIES

CATCH BY STATES, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	RHODE ISLAND		CONNECTICUT		TOTAL	
SHELLFISH, ETC.	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CRABS:						
BLUE, HARD	-	-	3	1	3	1
GREEN	6	4	-	-	108	14
ROCK	228	24	-	-	1,580	87
TOTAL CRABS	234	28	3	1	1,691	102
LOBSTERS, NORTHERN	568	282	238	141	29,260	13,582
SHRIMP	-	-	-	-	90	20
CLAMS:						
HARD:						
PUBLIC	3,210	1,407	370	121	5,026	2,273
PRIVATE	-	-	-	-	19	17
OCEAN QUAHOG	186	19	-	-	186	19
RAZOR	-	-	-	-	78	20
SOFT, PUBLIC	5	3	1	(1)	2,811	1,317
SURF	-	-	-	-	3	(1)
TOTAL CLAMS	3,401	1,429	371	121	8,123	3,646
CONCHS	91	18	50	7	156	27
MUSSELS, SEA	84	13	-	-	494	45
OYSTERS, MARKET:						
PUBLIC:						
SPRING	10	9	3	2	33	28
FALL	15	14	-	-	25	22
PRIVATE:						
SPRING	-	-	109	134	153	205
FALL	-	-	249	312	289	369
TOTAL OYSTERS	25	23	361	448	500	624
PERIWINKLES AND COCKLES	-	-	-	-	32	10
SCALLOPS:						
BAY	-	-	137	92	1,063	759
SEA	1	(1)	-	-	22,462	7,823
SEA URCHINS	-	-	-	-	111	6
SQUID	803	84	38	3	2,089	160
IRISH MOSS	-	-	-	-	2,133	44
BLOODWORMS	-	-	-	-	556	487
SANDWORMS	-	-	-	-	641	390
TOTAL SHELLFISH, ETC.	5,207	1,877	1,198	813	69,401	27,725
GRAND TOTAL	69,318	3,846	6,396	1,180	851,964	61,474

1/ LESS THAN 500 POUNDS OR $500.

HADDOCK

CATCH OF CERTAIN SHELLFISH, 1960

(NUMBER AND BUSHELS)

SPECIES		MAINE		NEW HAMPSHIRE	
		QUANTITY	VALUE	QUANTITY	VALUE
CRABS, ROCK	NUMBER	3,676,029	$53,636	150,000	$4,000
CLAMS:					
HARD, PUBLIC.	U. S. STANDARD BUSHELS	5,795	40,886	-	-
SOFT, PUBLIC.	DO	138,236	822,810	-	-
MUSSELS, SEA.	DO	3,317	2,989	-	-
OYSTERS, MARKET, PUBLIC:					
SPRING.	DO	154	500	-	-
FALL.	DO	206	498	-	-
PERIWINKLES AND COCKLES . .	DO	1,775	10,022	-	-
SCALLOPS, SEA	DO	312,547	658,103	-	-

SPECIES		MASSACHUSETTS		RHODE ISLAND	
		QUANTITY	VALUE	QUANTITY	VALUE
CRABS:					
GREEN	NUMBER	1,461,867	$9,664	80,024	$4,230
ROCK.	DO	231,900	5,561	683,700	23,649
CLAMS:					
HARD:					
PUBLIC.	U. S. STANDARD BUSHELS	125,618	704,265	267,492	1,406,570
PRIVATE	DO	1,745	16,950	-	-
OCEAN QUAHOG.	DO	-	-	18,650	18,646
RAZOR	DO	4,856	20,128	-	-
SOFT, PUBLIC.	DO	56,254	490,668	392	3,148
SURF.	DO	236	413	-	-
CONCHS.	DO	1,007	1,815	6,053	18,706
MUSSELS, SEA.	DO	36,000	29,375	8,400	12,600
OYSTERS, MARKET:					
PUBLIC:					
SPRING.	DO	2,908	16,905	1,400	8,960
FALL.	DO	1,154	7,600	2,100	13,440
PRIVATE:					
SPRING.	DO	6,831	70,368	-	-
FALL.	DO	6,077	56,676	-	-
SCALLOPS:					
BAY	DO	154,267	667,440	-	-
SEA	DO	3,430,983	7,164,518	150	339

SPECIES		CONNECTICUT		TOTAL	
		QUANTITY	VALUE	QUANTITY	VALUE
CRABS:					
BLUE, HARD.	NUMBER	13,000	$554	13,000	$554
GREEN	DO	-	-	1,541,891	13,894
ROCK.	DO	-	-	4,741,629	86,846
CLAMS:					
HARD:					
PUBLIC.	U. S. STANDARD BUSHELS	30,850	120,875	429,755	2,272,596
PRIVATE	DO	-	-	1,745	16,950
OCEAN QUAHOG.	DO	-	-	18,650	18,646
RAZOR	DO	-	-	4,856	20,128
SOFT, PUBLIC.	DO	46	346	194,928	1,316,972
SURF.	DO	-	-	236	413
CONCHS.	DO	2,520	6,856	9,580	27,377
MUSSELS, SEA.	DO	-	-	47,717	44,964
OYSTERS, MARKET:					
PUBLIC:					
SPRING.	DO	377	1,872	4,839	28,237
FALL.	DO	-	-	3,460	21,538
PRIVATE:					
SPRING.	DO	14,208	134,336	21,039	204,704
FALL.	DO	32,286	312,187	38,363	368,863
PERIWINKLES AND COCKLES . .	DO	-	-	1,775	10,022
SCALLOPS:					
BAY	DO	22,113	91,857	176,380	759,297
SEA	DO	-	-	3,743,680	7,822,960

NOTE:--THE CAPACITY OF A U. S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

AVERAGE WEIGHTS OF CERTAIN SHELLFISH, 1960

SPECIES		MAINE	NEW HAMPSHIRE	MASSA-CHUSETTS	RHODE ISLAND	CONNECT-ICUT
		QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
CRABS:						
BLUE, HARD	NUMBER PER POUND	-	-	-	-	5.00
GREEN	DO	-	-	14.29	14.29	-
ROCK	DO	3.00	3.00	3.00	3.00	-
CLAMS:						
HARD:						
PUBLIC	LBS. OF MEATS PER U.S. STANDARD BUSHEL	11.00	-	11.00	12.00	12.00
PRIVATE	DO	-	-	11.00	-	-
OCEAN QUAHOG	DO	-	-	-	10.00	-
RAZOR	DO	-	-	16.00	-	-
SOFT, PUBLIC	DO	15.00	-	13.00	13.00	13.00
SURF	DO	-	-	11.00	-	-
CONCHS	DO	-	-	15.00	15.00	20.00
MUSSELS, SEA	DO	15.00	-	10.00	10.00	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	DO	7.50	-	6.50	7.00	7.70
FALL	DO	7.50	-	6.50	7.00	-
PRIVATE:						
SPRING	DO	-	-	6.50	-	7.70
FALL	DO	-	-	6.50	-	7.70
PERIWINKLES AND COCKLES	DO	18.00	-	-	-	-
SCALLOPS:						
BAY	DO	-	-	6.00	-	6.20
SEA	DO	6.00	-	6.00	6.00	-

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

TRANSPORTING, WHOLESALING, AND MANUFACTURING, 1960

ITEM	MAINE	NEW HAMPSHIRE	MASSA-CHUSETTS	RHODE ISLAND	CONNECT-ICUT	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
TRANSPORTING:						
PERSONS ENGAGED:						
ON VESSELS	170	-	-	3	-	173
ON BOATS	-	-	-	1	-	1
VESSELS, MOTOR	86	-	-	2	-	88
GROSS TONNAGE	2,694	-	-	45	-	2,739
BOATS, MOTOR	-	-	-	1	-	1
WHOLESALING AND MANUFACTURING:						
ESTABLISHMENTS	268	17	236	34	13	568
PERSONS ENGAGED:						
AVERAGE FOR SEASON	7,266	138	6,333	315	147	14,199
AVERAGE FOR YEAR	3,435	99	4,889	232	136	8,791
FISHERMEN MANUFACTURING	458	-	-	-	-	458

NOTE:--BOATS AND VESSELS ENGAGED IN TRANSPORTING AND FISHING ARE INCLUDED ONLY AS FISHING CRAFT. NONE OF THE PERSONS SHOWN ON TRANSPORTERS ENGAGED IN FISHING.

MANUFACTURED FISHERY PRODUCTS, 1960

ITEM		MAINE		NEW HAMPSHIRE	
		QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES, CURED (SALTED, PICKLED, AND SMOKED)	POUNDS	441,220	$57,208	-	-
COD, FILLETS:					
FRESH	DO	116,235	26,849	-	-
FROZEN	DO	555,448	218,429	-	-
CUSK FILLETS, FRESH	DO	99,065	31,498	-	-
FLOUNDER FILLETS, FRESH	DO	45,625	14,450	-	-
HADDOCK FILLETS:					
FRESH	DO	605,435	227,801	-	-
FROZEN	DO	372,942	160,324	-	-
HAKE, FRESH FILLETS	DO	186,945	53,679	-	-
HALIBUT STEAKS, FROZEN	DO	(1)	(1)	-	-
HERRING, SEA:					
SARDINES, CANNED	STANDARD CASES	1,997,618	16,699,987	-	-
CURED (SALTED, SMOKED, AND KIPPERED)	POUNDS	697,830	182,344	-	-
MEAL AND DRY SCRAP	TONS	2,915	229,468	-	-
OIL	GALLONS	132,973	37,779	-	-
MACKEREL FILLETS, FRESH	POUNDS	(1)	(1)	-	-
OCEAN PERCH FILLETS:					
FRESH	DO	718,505	172,890	-	-
FROZEN	DO	21,645,082	5,048,703	-	-
POLLOCK FILLETS:					
FRESH	DO	367,430	50,640	-	-
FROZEN	DO	922,656	234,730	-	-
WHITING FILLETS:					
FRESH	DO	(1)	(1)	-	-
FROZEN	DO	576,784	96,217	-	-
WOLFFISH FILLETS, FRESH	DO	(1)	(1)	-	-
CRAB MEAT, COOKED	DO	147,140	177,741	-	-
LOBSTER MEAT, COOKED (NORTHERN LOBSTERS)	DO	264,885	770,084	36,500	$96,950
CLAMS:					
SHUCKED, SOFT	GALLONS	90,144	551,910	70,588	452,484
CANNED, SOFT (INCLUDING SURF):					
WHOLE AND MINCED	STANDARD CASES	38,046	320,552	-	-
CHOWDER AND JUICE	DO	461,530	3,041,304	-	-
SCALLOPS, SEA, BREADED (COOKED AND RAW)	POUNDS	(1)	(1)	-	-
UNCLASSIFIED PRODUCTS:					
FRESH AND FROZEN PACKAGED:					
FISH, NOT BREADED:					
FILLETS AND STEAKS, RAW	DO	2/46,652	2/9,390	-	-
PORTIONS, RAW	DO	(4)	(4)	-	-
FISH, BREADED:					
STICKS:					
RAW	DO	(4)	(4)	-	-
COOKED	DO	(4)	(4)	-	-
PORTIONS:					
RAW	DO	(4)	(4)	-	-
COOKED	DO	(4)	(4)	-	-
MISCELLANEOUS FISH AND SHELLFISH	DO	5/4,651,270	5/2,370,938	-	-
CANNED FISH AND SHELLFISH	STANDARD CASES	8/1,260,133	8/7,821,153	-	-
SALTED AND SMOKED FISH 10/	POUNDS	26,000	4,940	-	-
BYPRODUCTS	-	-	11/3,953,269	-	-
TOTAL	-	-	42,564,277	-	549,434

ITEM		MASSACHUSETTS		RHODE ISLAND AND CONNECTICUT	
		QUANTITY	VALUE	QUANTITY	VALUE
COD:					
FILLETS:					
FRESH	POUNDS	2,555,983	$725,408	-	-
FROZEN	DO	2,058,819	503,652	-	-
STEAKS, FROZEN	DO	33,300	10,709	-	-
CUSK FILLETS:					
FRESH	DO	228,773	60,365	-	-
FROZEN	DO	23,027	6,400	-	-
FLOUNDER FILLETS:					
FRESH	DO	9,086,921	3,630,792	(1)	(1)
FROZEN	DO	3,864,197	1,220,433	(1)	(1)
HADDOCK FILLETS:					
FRESH	DO	17,555,956	6,024,617	-	-
FROZEN	DO	13,347,339	3,791,103	-	-
HAKE, FRESH FILLETS	DO	145,728	38,655	-	-
HALIBUT STEAKS, FROZEN	DO	1,311,475	493,225	-	-

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

MANUFACTURED FISHERY PRODUCTS, 1960 - Continued

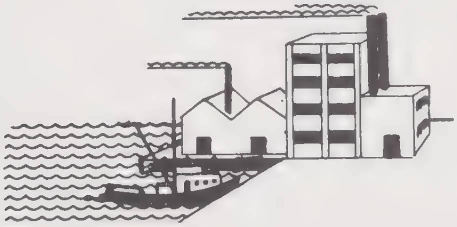
ITEM		MASSACHUSETTS		RHODE ISLAND AND CONNECTICUT	
		QUANTITY	VALUE	QUANTITY	VALUE
HERRING, SEA, CURED (SALTED, SMOKED, AND KIPPERED)	POUNDS	311,833	$128,332	-	-
MACKEREL FILLETS:					
FRESH	DO	10,520	3,256	-	-
FROZEN	DO	73,650	22,701	-	-
OCEAN PERCH FILLETS:					
FRESH	DO	319,427	87,665	-	-
FROZEN	DO	20,864,648	4,866,271	-	-
POLLOCK FILLETS:					
FRESH	DO	1,347,927	276,682	-	-
FROZEN	DO	4,109,149	705,288	-	-
SALMON STEAKS, FROZEN	DO	20,929	17,509	-	-
SWORDFISH STEAKS, FROZEN	DO	67,166	36,035	-	-
WHITING FILLETS:					
FRESH	DO	8,985	1,998	-	-
FROZEN	DO	2,332,482	468,219	(1)	(1)
WOLFFISH FILLETS:					
FRESH	DO	30,562	10,114	-	-
FROZEN	DO	196,593	60,582	-	-
CRAB MEAT, COOKED	DO	70,867	141,585	-	-
LOBSTER MEAT, COOKED (NORTHERN LOBSTERS)	DO	673,222	1,965,932	-	-
SHRIMP, COOKED (PEELED AND DEVEINED)	DO	401,000	602,000	-	-
CLAMS:					
SHUCKED:					
HARD (INCLUDING SURF, AND OCEAN QUAHOGS)	GALLONS	119,890	248,886	354,162	$1,283,087
SOFT	DO	122,507	797,029	(1)	(1)
CANNED, SOFT (INCLUDING SURF), CHOWDER AND JUICE	STANDARD CASES	(1)	(1)	(1)	(1)
OYSTERS, SHUCKED	GALLONS	(1)	(1)	12,360	98,708
SCALLOPS, BAY, SHUCKED	DO	10,578	120,328	15,669	175,488
SCALLOPS, SEA, BREADED (COOKED AND RAW)	POUNDS	5,020,750	3,013,048	-	-
UNCLASSIFIED PRODUCTS:					
FRESH AND FROZEN PACKAGED:					
FISH, NOT BREADED:					
FILLETS AND STEAKS, RAW	DO	3/281,392	3/57,450	(4)	(4)
PORTIONS, RAW	DO	669,660	280,080	-	-
FISH, BREADED:					
STICKS:					
RAW	DO	377,711	139,492	-	-
COOKED	DO	37,199,941	15,757,507	-	-
PORTIONS:					
RAW	DO	9,545,019	3,440,983	-	-
COOKED	DO	3,918,915	1,602,767	-	-
OTHER (FILLETS, PAN DRESSED, ETC.)	DO	2,955,342	1,536,776	-	-
MISCELLANEOUS FISH AND SHELLFISH	DO	6/9,193,232	6/6,351,996	(7)	(7)
CANNED FISH AND SHELLFISH	STANDARD CASES	9/1,426,311	9/6,466,733	(7)	(7)
SALTED AND SMOKED FISH 10/	POUNDS	2,120,152	1,253,532	-	-
BYPRODUCTS	-	-	12/3,052,665	(7)	(7)
MISCELLANEOUS	-	-	-	-	13/1,969,584
TOTAL	-	-	70,018,800	-	3,526,867

1/ INCLUDED WITH "UNCLASSIFIED PRODUCTS." 2/ INCLUDES FRESH FILLETS OF MACKEREL, WHITING, AND WOLFFISH; FROZEN HALIBUT STEAKS AND UNCLASSIFIED FILLETS. 3/ INCLUDES FROZEN FILLETS OF OCEAN POUT, SCUP, TILEFISH, TUNA AND UNCLASSIFIED FISH. 4/ INCLUDED WITH FRESH AND FROZEN MISCELLANEOUS FISH AND SHELLFISH. 5/ INCLUDES BREADED RAW AND COOKED FISH STICKS AND PORTIONS, UNBREADED RAW FISH PORTIONS, FISH DINNERS, LOBSTER PIE, LOBSTER STEW, AND BREADED RAW AND COOKED SEA SCALLOPS. 6/ INCLUDES FROZEN FLOUNDER WITH SAUCE, HADDOCK DINNER, HALIBUT WITH SAUCE, TUNA LOAF, TUNA LINKS, FISH CAKES, FISH DINNERS, LOBSTER NEWBURG, COOKED AND PEELED SHRIMP, SHRIMP CAKES, SHRIMP DINNERS, SHRIMP WITH LOBSTER SAUCE, FRIED CLAMS, STUFFED CLAMS, SHUCKED OYSTERS, SCALLOP DINNERS, AND SHELLFISH DINNERS. 7/ INCLUDED WITH MISCELLANEOUS ITEMS. 8/ INCLUDES CANNED FINNAN HADDIE, SALMON SPREAD, TUNA, TUNA WITH SHERRY, UNCLASSIFIED FISH IN CAKES, CHOWDER, FLAKES AND ANIMAL FOOD, CRAB MEAT, CRAB SPREAD, LOBSTER MEAT, LOBSTER SPECIALTIES, CLAMS STEAMED IN SHELL, CLAM SPECIALTIES, AND SEA MUSSELS. 9/ INCLUDES CANNED SALTED COD, GROUNDFISH ROE, UNCLASSIFIED FISH IN CAKES, CHOWDER, FLAKES AND ANIMAL FOOD, LOBSTER PASTE, CLAM CHOWDER AND CLAMS STEAMED IN THE SHELL. 10/ INCLUDES SALTED COD, HAKE, AND POLLOCK; SMOKED BUTTERFISH, COD, CHUBS, HADDOCK, MACKEREL, POLLOCK, SABLEFISH, SALMON, TUNA, WHITEFISH AND UNCLASSIFIED FISH. 11/ INCLUDES THE VALUE OF UNCLASSIFIED FISH MEAL, OIL, AND SOLUBLES; IRISH MOSS EXTRACT, KELP EXTRACT, AND PEARL ESSENCE. 12/ INCLUDES THE VALUE OF MENHADEN MEAL, OIL, AND SOLUBLES; UNCLASSIFIED FISH MEAL, OIL, SOLUBLES, AND CONDENSED FISH; FISH GLUE; AND IRISH MOSS EXTRACT. 13/ INCLUDES THE VALUE OF FILLETS OF FLOUNDER AND WHITING; SHUCKED SOFT CLAMS; CANNED LOBSTER MEAT, CLAM CHOWDER, AND CLAM SPECIALTIES; MENHADEN OIL; HOMOGENIZED FISH; AND MARINE PEARL SHELL BUTTONS.

NOTE:--SOME OF THE ABOVE PRODUCTS MAY HAVE BEEN MANUFACTURED FROM RAW PRODUCTS IMPORTED FROM ANOTHER STATE OR A FOREIGN COUNTRY; THEREFORE, THEY CANNOT BE CORRELATED DIRECTLY WITH THE CATCH WITHIN THE STATE.

SUMMARY OF PRODUCTION, BY COMMODITIES, 1960

SUMMARY OF ITEMS		QUANTITY	VALUE
PACKAGED PRODUCTS, FRESH AND FROZEN:			
NOT BREADED:			
FISH FILLETS AND STEAKS . . .	POUNDS	107,053,219	$29,726,094
SHELLFISH.	DO	8,600,596	7,512,390
BREADED:			
FISH	DO	55,889,825	23,151,501
SHELLFISH.	DO	8,344,866	5,776,633
SPECIALTIES (FISH AND SHELLFISH)	DO	9,292,774	5,562,203
CANNED:			
FISH	STANDARD CASES	2,136,264	18,611,046
SHELLFISH.	DO	549,031	3,956,559
ANIMAL FOOD.	DO	2,524,936	11,981,608
CURED:			
SALTED	POUNDS	1,459,709	479,341
SMOKED AND KIPPERED.	DO	2,137,326	1,147,015
BYPRODUCTS	-	-	8,754,988
TOTAL	-	-	116,659,378



SUMMARY OF VALUE, BY STATES, 1960

STATE	VALUE
MAINE.	$42,564,277
NEW HAMPSHIRE.	549,434
MASSACHUSETTS.	70,018,800
RHODE ISLAND	2,580,895
CONNECTICUT.	945,972
TOTAL	116,659,378

NEW ENGLAND FISHERIES
MAINE
OPERATING UNITS BY GEAR, 1960

ITEM	STOP SEINES	PURSE SEINES			BAG NETS
		HERRING	MACKEREL	OTHER	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	86	-	13	5	-
ON BOATS AND SHORE:					
REGULAR	174	6	-	-	6
CASUAL	248	24	-	-	7
TOTAL	508	30	13	5	13
VESSELS, MOTOR	20	-	3	1	-
GROSS TONNAGE	331	-	45	30	-
BOATS:					
MOTOR	89	6	-	-	-
OTHER	115	6	-	-	2
ACCESSORY BOATS	29	-	5	1	-
GEAR:					
NUMBER	109	6	3	1	7
LENGTH, YARDS	49,050	2,750	1,000	350	-

ITEM	OTTER TRAWLS, FISH	WEIRS	FLOATING TRAPS	POTS, LOBSTER	BOX TRAPS	GILL NETS
						ANCHOR
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	469	-	-	23	-	12
ON BOATS AND SHORE:						
REGULAR	42	135	14	4,559	-	-
CASUAL	27	106	3	2,011	5	-
TOTAL	538	241	17	6,593	5	12
VESSELS, MOTOR	100	-	-	23	-	4
GROSS TONNAGE	7,884	-	-	205	-	75
BOATS:						
MOTOR	38	135	10	6,509	4	-
OTHER	-	135	6	42	-	-
GEAR:						
NUMBER	138	135	10	709,824	5	4
SQUARE YARDS	-	-	-	-	-	50,400
YARDS AT MOUTH	3,138	-	-	-	-	-

ITEM	GILL NETS - CONTINUED		LINES		DIP NETS, COMMON	HARPOONS
	DRIFT	STAKE	HAND	LONG OR SET WITH HOOKS		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	-	12	3	-	-
ON BOATS AND SHORE:						
REGULAR	2	1	91	81	49	25
CASUAL	2	2	112	51	54	23
TOTAL	4	3	215	135	103	48
VESSELS, MOTOR	-	-	4	1		-
GROSS TONNAGE	-	-	44	20	-	-
BOATS:						
MOTOR	2	2	41	77	4	25
OTHER	-	-	-	-	4	-
GEAR:						
NUMBER	2	2	215	78	103	38
SQUARE YARDS	9,000	180	-	-	-	-
HOOKS	-	-	349	237,000	-	-

ITEM	DREDGES		RAKES	HOES	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	OYSTER	SCALLOP				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	75	-	-	-	672
ON BOATS AND SHORE:						
REGULAR	-	34	-	1,145	51	5,755
CASUAL	4	26	15	1,008	49	3,375
TOTAL	4	135	15	2,153	100	9,802
VESSELS, MOTOR	-	11	-	-	-	155
GROSS TONNAGE	-	786	-	-	-	9,195
BOATS:						
MOTOR	3	34	15	-	-	6,655
OTHER	-	-	-	-	-	265
ACCESSORY BOATS	-	-	-	-	-	34
GEAR:						
NUMBER	3	49	15	2,153	-	-
YARDS AT MOUTH	3	89	-	-	-	-

MAINE - CATCH BY GEAR, 1960

SPECIES	STOP SEINES		PURSE SEINES		BAG NETS		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	-	-	-	-	-	-	1,362,300	$67,181
CUSK	-	-	-	-	-	-	307,700	14,610
FLOUNDERS:								
GRAY SOLE	-	-	-	-	-	-	809,500	81,243
LEMON SOLE	-	-	-	-	-	-	1,800	161
YELLOWTAIL	-	-	-	-	-	-	65,300	5,986
BLACKBACK	-	-	-	-	-	-	363,700	22,829
DAB	-	-	-	-	-	-	711,000	40,840
HADDOCK	-	-	-	-	-	-	3,413,800	256,932
HAKE:								
RED	-	-	-	-	-	-	3,900	198
WHITE	-	-	-	-	-	-	823,000	31,888
HALIBUT	-	-	-	-	-	-	41,700	8,636
HERRING, SEA	103,368,200	$1,686,321	1,438,900	$17,113	-	-	-	-
MACKEREL	18,300	634	48,500	4,684	-	-	-	-
MENHADEN	-	-	35,000	625	-	-	-	-
OCEAN PERCH	-	-	-	-	-	-	78,257,700	3,009,777
POLLOCK	-	-	-	-	-	-	2,858,500	75,221
SHARKS, UNCLASSIFIED	-	-	-	-	-	-	800	41
SMELT	-	-	-	-	27,700	$8,554	-	-
STURGEON	-	-	-	-	-	-	600	98
WHITING	-	-	-	-	-	-	11,122,800	192,126
WOLFFISH	-	-	-	-	-	-	68,900	2,145
UNCLASSIFIED:								
FOR FOOD	-	-	-	-	-	-	28,400	1,070
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	93,100	651	2,038,500	9,464
LOBSTERS, NORTHERN	-	-	-	-	-	-	9,200	5,864
SHRIMP	-	-	-	-	-	-	89,000	20,471
TOTAL	103,386,500	1,686,955	1,522,400	22,422	120,800	9,205	102,378,100	3,846,781

SPECIES	WEIRS		FLOATING TRAPS		POTS AND TRAPS 1/	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUTTERFISH	-	-	13,600	$1,608	-	-
EELS, COMMON	-	-	-	-	28,500	$4,175
HERRING, SEA	47,504,000	$782,372	16,200	444	-	-
MACKEREL	49,800	1,951	184,400	7,645	-	-
SMELT	600	174	-	-	-	-
CRABS, ROCK	-	-	-	-	1,225,300	53,636
LOBSTERS, NORTHERN	-	-	-	-	24,005,000	10,961,154
TOTAL	47,554,400	784,497	214,200	9,697	25,258,800	11,018,965

SPECIES	GILL NETS		LINES			
			HAND		LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	854,700	$56,521	341,400	$9,871	338,800	$10,897
CUSK	16,900	953	2,000	70	251,600	12,236
FLOUNDERS:						
BLACKBACK	-	-	-	-	400	19
DAB	-	-	-	-	100	5
HADDOCK	222,500	17,712	15,900	1,310	182,100	14,068
HAKE, WHITE	358,100	21,581	1,800	93	1,850,300	55,105
HALIBUT	200	40	1,500	501	46,500	14,852
MACKEREL	-	-	200	44	-	-
POLLOCK	760,600	24,535	258,700	4,815	96,900	2,188
SHAD	300	21	-	-	-	-
SHARKS:						
GRAYFISH	939,500	6,320	-	-	60,600	431
UNCLASSIFIED	3,300	87	-	-	200	10
SMELT	3,300	987	34,700	10,374	-	-
STRIPED BASS	-	-	300	29	-	-
STURGEON	400	64	-	-	-	-
TUNA, BLUEFIN	-	-	4,100	387	600	149
WOLFFISH	8,100	274	200	3	8,000	159
UNCLASSIFIED:						
FOR FOOD	-	-	-	-	1,700	33
BAIT, REDUCTION, AND ANIMAL FOOD	38,900	260	-	-	44,900	359
TOTAL	3,206,800	129,355	660,800	27,497	2,882,700	110,511

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

MAINE - CATCH BY GEAR, 1960 - Continued

SPECIES	DIP NETS		HARPOONS		DREDGES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	1,412,300	$17,609	-	-	-	-
EELS, COMMON	1,900	152	-	-	-	-
SWORDFISH	-	-	1,000	$411	-	-
TUNA, BLUEFIN	-	-	161,100	7,905	-	-
OYSTERS, MARKET, PUBLIC:						
SPRING	-	-	-	-	1,200	$500
FALL	-	-	-	-	1,500	498
PERIWINKLES AND COCKLES	400	150	-	-	-	-
SCALLOPS, SEA	-	-	-	-	1,875,300	658,103
SEA URCHINS	106,400	5,482	-	-	-	-
TOTAL	1,521,000	23,393	162,100	8,316	1,878,000	659,101

SPECIES	RAKES		HOES		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CLAMS, PUBLIC:						
HARD	-	-	63,800	$40,886	-	-
SOFT	-	-	2,073,500	822,810	-	-
MUSSELS, SEA	-	-	49,800	2,989	-	-
PERIWINKLES AND COCKLES	-	-	-	-	31,600	$9,872
SEA URCHINS	-	-	-	-	4,200	120
IRISH MOSS	508,700	$10,174	-	-	-	-
BLOODWORMS	-	-	549,500	482,100	-	-
SANDWORMS	-	-	612,900	365,850	-	-
TOTAL	508,700	10,174	3,349,500	1,714,635	35,800	9,992

1/ INCLUDES THE CATCH BY BOX TRAPS.

MAINE - OPERATING UNITS BY COUNTIES, 1960

ITEM	CUMBERLAND	HANCOCK	KNOX	LINCOLN	SAGADAHOC	WASHINGTON	YORK
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	324	31	191	125	1	-	-
ON BOATS AND SHORE:							
REGULAR	836	1,425	985	788	302	1,104	315
CASUAL	975	434	532	635	222	164	413
TOTAL	2,135	1,890	1,708	1,548	525	1,268	728
VESSELS, MOTOR	71	8	47	28	1	-	-
GROSS TONNAGE	4,931	115	3,207	926	23	-	-
BOATS:							
MOTOR	1,400	1,408	1,213	758	374	805	697
OTHER	31	43	84	14	4	89	-
ACCESSORY BOATS	4	5	20	5	-	-	-
GEAR:							
STOP SEINES	23	17	27	20	6	16	-
LENGTH, YARDS	10,350	7,650	12,150	9,000	2,700	7,200	-
PURSE SEINES:							
HERRING	-	1	-	2	2	1	-
LENGTH, YARDS	-	450	-	900	950	450	-
MACKEREL	-	1	2	-	-	-	-
LENGTH, YARDS	-	450	550	-	-	-	-
OTHER	1	-	-	-	-	-	-
LENGTH, YARDS	350	-	-	-	-	-	-
BAG NETS	-	4	-	-	-	3	-
OTTER TRAWLS, FISH	50	10	35	31	12	-	-
YARDS AT MOUTH	1,248	192	761	711	226	-	-
WEIRS	-	22	24	-	-	89	-

(CONTINUED ON NEXT PAGE)

MAINE - OPERATING UNITS BY COUNTIES, 1960 - Continued

ITEM	CUMBERLAND	HANCOCK	KNOX	LINCOLN	SAGADAHOC	WASHINGTON	YORK
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER.	NUMBER
GEAR - CONTINUED:							
FLOATING TRAPS	-	-	-	3	7	-	-
POTS AND TRAPS:							
LOBSTER.	143,995	165,235	120,020	96,350	37,875	75,952	70,397
BOX TRAPS.	-	3	-	-	-	2	-
GILL NETS:							
ANCHOR	4	-	-	-	-	-	-
SQUARE YARDS	50,400	-	-	-	-	-	-
DRIFT.	2	-	-	-	-	-	-
SQUARE YARDS	9,000	-	-	-	-	-	-
STAKE.	-	1	-	-	-	1	-
SQUARE YARDS	-	120	-	-	-	60	-
LINES:							
HAND	-	60	67	54	23	11	-
HOOKS.	-	77	92	104	55	21	-
LONG OR SET WITH HOOKS	12	27	12	2	10	9	6
HOOKS.	48,500	81,000	48,000	1,000	25,000	26,000	7,500
DIP NETS, COMMON	-	31	2	16	8	46	-
HARPOONS	-	3	-	4	28	-	3
DREDGES:							
OYSTER, COMMON	-	-	-	3	-	-	-
YARDS AT MOUTH . . .	-	-	-	3	-	-	-
SCALLOP.	8	12	21	-	-	8	-
YARDS AT MOUTH . . .	39	12	30	-	-	8	-
RAKES.	-	-	5	-	10	-	-
HOES	365	451	259	538	120	358	62

MAINE - CATCH BY COUNTIES, 1960

SPECIES	CUMBERLAND		HANCOCK		KNOX	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	265,300	$3,790	10,000	$70
COD.	1,543,000	$90,376	361,800	9,722	787,300	36,538
CUSK	340,100	20,295	23,400	567	176,100	5,197
EELS, COMMON	-	-	10,500	1,544	-	-
FLOUNDERS:						
GRAY SOLE.	205,300	20,844	47,500	3,403	247,900	23,245
LEMON SOLE	400	52	-	-	700	77
YELLOWTAIL	24,700	2,613	-	-	200	18
BLACKBACK.	79,700	6,798	105,200	5,120	71,500	3,648
DAB.	242,200	14,643	47,200	2,183	167,400	8,609
HADDOCK.	2,335,800	183,048	386,300	30,236	968,100	65,213
HAKE:						
RED.	3,300	177	-	-	-	-
WHITE.	694,400	37,605	547,100	17,714	1,580,100	45,019
HALIBUT.	26,700	5,603	15,200	4,784	37,100	10,150
HERRING, SEA	21,541,800	349,538	25,289,500	410,566	34,600,500	564,975
MACKEREL	-	-	14,300	581	48,000	1,812
OCEAN PERCH.	37,584,600	1,428,743	10,200	306	40,626,000	1,579,473
POLLOCK.	3,211,900	90,573	58,400	1,274	621,400	12,622
SHAD	300	21	-	-	-	-
SHARKS:						
GRAYFISH	1,000,100	6,751	-	-	-	-
UNCLASSIFIED	3,300	87	300	17	600	31
SMELT.	-	-	36,700	11,240	18,100	5,045
STRIPED BASS	-	-	300	29	-	-
STURGEON	600	96	100	17	-	-
SWORDFISH.	1,000	411	-	-	-	-
TUNA, BLUEFIN.	-	-	5,600	291	-	-
WHITING.	6,448,100	115,445	-	-	1,075,100	17,082
WOLFFISH	38,900	1,302	13,000	330	24,500	645
UNCLASSIFIED:						
FOR FOOD	7,000	430	19,900	443	3,200	230
BAIT, REDUCTION, AND ANIMAL FOOD	597,200	3,894	121,400	932	220,800	1,549
CRABS, ROCK.	168,300	7,700	693,700	25,486	109,700	7,479
LOBSTERS, NORTHERN	3,684,600	1,471,687	6,093,800	2,836,572	6,003,500	2,864,947
SHRIMP	22,400	3,101	-	-	-	-
CLAMS, PUBLIC:						
HARD	32,200	20,766	-	-	-	-
SOFT	167,400	82,524	194,500	82,657	546,200	219,321

(CONTINUED ON NEXT PAGE)

MAINE - CATCH BY COUNTIES, 1960 - Continued

SPECIES	CUMBERLAND		HANCOCK		KNOX	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SCALLOPS, SEA	1,370,900	$476,645	21,600	$10,129	473,500	$166,577
SEA URCHIN	-	-	7,100	204	-	-
IRISH MOSS	-	-	-	-	194,300	3,887
BLOODWORMS	32,700	28,840	121,900	107,312	10,300	9,040
SANDWORMS	-	-	63,100	37,850	-	-
TOTAL	81,408,900	4,470,608	34,574,900	3,605,299	88,622,100	5,652,499

SPECIES	LINCOLN		SAGADAHOC		WASHINGTON		YORK	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	757,200	$6,438	204,800	$4,811	175,000	$2,500	-	-
BUTTERFISH	1,200	132	12,400	1,476	-	-	-	-
COD	60,300	3,107	92,600	3,397	50,500	1,258	1,700	$72
CUSK	19,800	867	15,400	750	-	-	3,400	193
EELS, COMMON	1,900	152	-	-	18,000	2,631	-	-
FLOUNDERS:								
GRAY SOLE	262,000	29,437	46,800	4,314	-	-	-	-
LEMON SOLE	-	-	700	32	-	-	-	-
YELLOWTAIL	9,200	1,184	31,200	2,171	-	-	-	-
BLACKBACK	71,500	5,472	36,200	1,810	-	-	-	-
DAB	198,400	12,143	55,900	3,267	-	-	-	-
HADDOCK	67,400	6,407	69,200	4,661	-	-	7,500	457
HAKE:								
RED	600	21	-	-	-	-	-	-
WHITE	178,200	7,179	33,300	1,142	-	-	100	8
HALIBUT	100	40	1,900	602	8,600	2,822	300	28
HERRING, SEA	1,161,200	16,829	3,249,800	52,567	66,484,500	1,091,775	-	-
MACKEREL	86,000	5,393	147,100	6,980	5,800	192	-	-
MENHADEN	-	-	35,000	625	-	-	-	-
OCEAN PERCH	34,900	1,193	2,000	62	-	-	-	-
POLLOCK	18,300	550	45,900	1,371	18,800	369	-	-
SHARKS, UNCLASSIFIED	100	3	-	-	-	-	-	-
SMELT	1,900	485	5,100	1,920	4,500	1,399	-	-
STURGEON	200	43	100	6	-	-	-	-
TUNA, BLUEFIN	11,200	641	133,800	6,899	-	-	15,200	610
WHITING	2,672,200	45,595	927,400	14,004	-	-	-	-
WOLFFISH	3,400	128	5,400	176	-	-	-	-
UNCLASSIFIED, BAIT, REDUCTION, AND ANIMAL FOOD	956,900	2,419	319,100	1,940	-	-	-	-
CRABS, ROCK	30,000	1,545	7,900	559	215,700	10,867	-	-
LOBSTERS, NORTHERN	3,202,500	1,461,395	717,400	335,636	2,662,000	1,209,210	1,650,400	787,571
SHRIMP	55,400	15,415	11,200	1,955	-	-	-	-
CLAMS, PUBLIC:								
HARD	-	-	31,600	20,120	-	-	-	-
SOFT	367,400	168,884	94,100	43,963	651,300	200,922	52,600	24,539
MUSSELS, SEA	37,600	2,744	-	-	12,200	245	-	-
OYSTERS, MARKET, PUBLIC:								
SPRING	1,200	500	-	-	-	-	-	-
FALL	1,500	498	-	-	-	-	-	-
PERIWINKLES AND COCKLES	11,200	3,270	-	-	20,800	6,752	-	-
SCALLOPS, SEA	-	-	-	-	9,300	4,752	-	-
SEA URCHIN	86,700	4,918	-	-	16,800	480	-	-
IRISH MOSS	-	-	314,400	6,287	-	-	-	-
BLOODWORMS	189.800	165,522	-	-	194,800	171,386	-	-
SANDWORMS	380,300	226,316	-	-	169,500	101,684	-	-
TOTAL	10,937,700	2,196,865	6,647,700	523,503	70,718,100	2,809,244	1,731,200	813,478

NEW ENGLAND FISHERIES

NEW HAMPSHIRE

OPERATING UNITS BY GEAR, 1960

ITEM	WEIRS	POTS, LOBSTER	GILL NETS, DRIFT	LINES: HAND	LINES: LONG OR SET WITH HOOKS	HOES	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:							
REGULAR	-	88	4	20	4	-	88
CASUAL	9	114	-	155	-	25	239
TOTAL	9	202	4	175	4	25	327
BOATS:							
MOTOR	2	92	2	-	2	-	94
OTHER	3	5	-	-	-	8	8
GEAR:							
NUMBER	7	16,750	2	350	2	25	-
SQUARE YARDS	-	-	4,500	-	-	-	-
HOOKS	-	-	-	675	3,500	-	-

NEW HAMPSHIRE - CATCH BY GEAR, 1960

SPECIES	WEIRS		POTS, LOBSTER		GILL NETS, DRIFT	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	95,000	$1,000	-	-	-	-
EELS, COMMON	6,000	1,400	-	-	-	-
MACKEREL	-	-	-	-	8,500	$1,700
SMELT	7,000	1,800	-	-	-	-
CRABS, ROCK	-	-	50,000	$4,000	-	-
LOBSTERS, NORTHERN	-	-	935,000	397,400	-	-
TOTAL	108,000	4,200	985,000	401,400	8,500	1,700

SPECIES	LINES: HAND		LINES: LONG OR SET WITH HOOKS		HOES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	-	-	20,000	$1,200	-	-
CUSK	-	-	3,000	100	-	-
HADDOCK	-	-	20,000	1,600	-	-
POLLOCK	-	-	5,000	200	-	-
SMELT	30,000	$12,900	-	-	-	-
BLOODWORMS	-	-	-	-	6,000	$5,300
SANDWORMS	-	-	-	-	3,000	1,800
TOTAL	30,000	12,900	48,000	3,100	9,000	7,100

NOTE:--THE COMMERCIAL FISHERIES OF NEW HAMPSHIRE ARE CONFINED TO ROCKINGHAM COUNTY.

NEW ENGLAND FISHERIES

MASSACHUSETTS

OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	PURSE SEINES		OTTER TRAWLS, FISH	POUND NETS, FISH	FLOATING TRAPS
		MENHADEN	TUNA			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	80	9	2,609	4	9
ON BOATS AND SHORE:						
REGULAR	3	-	-	12	83	21
CASUAL	20	-	-	-	-	8
TOTAL	23	80	9	2,621	87	38
VESSELS, MOTOR	-	5	1	422	1	3
GROSS TONNAGE	-	356	66	28,664	11	31
BOATS:						
MOTOR	3	-	-	7	22	13
OTHER	-	-	-	-	9	13
ACCESSORY BOATS	-	10	1	-	2	3
GEAR:						
NUMBER	6	5	1	429	56	23
LENGTH, YARDS	209	2,525	450	-	-	-
YARDS AT MOUTH	-	-	-	11,279	-	-

ITEM	POTS AND TRAPS				GILL NETS	
	CONCH	CRAB	EEL	LOBSTER	ANCHOR	DRIFT
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	-	-	-	24	5
ON BOATS AND SHORE:						
REGULAR	1	2	2	348	25	6
CASUAL	-	8	4	1,121	31	12
TOTAL	1	10	6	1,469	80	23
VESSELS, MOTOR	-	-	-	-	5	2
GROSS TONNAGE	-	-	-	-	130	21
BOATS:						
MOTOR	1	7	4	976	35	9
OTHER	-	1	-	245	-	-
GEAR:						
NUMBER	100	203	190	89,158	40	11
SQUARE YARDS	-	-	-	-	104,880	47,000

ITEM	LINES		DIP NETS, COMMON	HARPOONS	SPEARS	DREDGES
	HAND	LONG OR SET WITH HOOKS				CLAM
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	41	46	-	85	-	10
ON BOATS AND SHORE:						
REGULAR	149	62	39	10	6	49
CASUAL	1,418	19	119	243	-	6
TOTAL	1,608	127	158	338	6	65
VESSELS, MOTOR	11	10	-	24	-	3
GROSS TONNAGE	239	215	-	632	-	141
BOATS, MOTOR	398	40	158	99	6	31
ACCESSORY BOATS	-	-	-	23	-	-
GEAR:						
NUMBER	1,827	50	158	123	6	34
HOOKS	2,079	165,700	-	-	-	-
YARDS AT MOUTH	-	-	-	-	-	34

ITEM	DREDGES - CONTINUED		TONGS		RAKES	
	OYSTER, COMMON	SCALLOP	OYSTER	OTHER	OYSTER	OTHER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	843	-	-	-	-
ON BOATS AND SHORE:						
REGULAR	16	179	13	63	2	179
CASUAL	30	1,383	5	30	2	591
TOTAL	46	2,405	18	93	4	770

(CONTINUED ON NEXT PAGE)

MASSACHUSETTS - OPERATING UNITS BY GEAR, 1960 - Continued

ITEM	DREDGES - CONTINUED		TONGS		RAKES	
	OYSTER, COMMON	SCALLOP	OYSTER	OTHER	OYSTER	OTHER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
VESSELS, MOTOR	-	81	-	-	-	-
GROSS TONNAGE	-	6,822	-	-	-	-
BOATS, MOTOR	21	1,153	18	93	4	770
GEAR:						
NUMBER	24	2,699	18	93	4	770
YARDS AT MOUTH	25	2,609	-	-	-	-

ITEM	HOES	FORKS	DIVING OUTFITS	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	-	-	-	3,515
ON BOATS AND SHORE:					
REGULAR	177	31	-	-	1,018
CASUAL	589	-	526	24	5,641
TOTAL	766	31	526	24	10,174
VESSELS, MOTOR	-	-	-	-	512
GROSS TONNAGE	-	-	-	-	35,163
BOATS:					
MOTOR	-	31	-	-	3,090
OTHER	-	-	-	-	268
ACCESSORY BOATS	-	-	-	-	39
GEAR, NUMBER	766	31	526	-	-

MASSACHUSETTS - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	1,387,900	$14,262	16,151,300	$135,974	-	-
ANGLERFISH	-	-	-	-	3,000	$107
BLUEFISH	-	-	-	-	100	8
BUTTERFISH	-	-	-	-	534,500	53,689
COD	-	-	-	-	27,111,800	1,743,087
CUSK	-	-	-	-	948,800	49,174
FLOUNDERS:						
GRAY SOLE	-	-	-	-	2,177,700	298,228
LEMON SOLE	-	-	-	-	2,661,200	542,723
YELLOWTAIL	-	-	-	-	27,540,300	2,723,755
BLACKBACK	-	-	-	-	11,521,200	1,472,235
DAB	-	-	-	-	2,315,400	215,892
FLUKE	-	-	-	-	5,523,500	1,069,246
HADDOCK	-	-	-	-	112,440,900	8,875,943
HAKE:						
RED	-	-	-	-	7,406,900	78,581
WHITE	-	-	-	-	2,376,500	131,586
HALIBUT	-	-	-	-	146,400	33,716
HERRING, SEA	-	-	200	9	3,700	295
LAUNCE	281,800	15,498	400	23	-	-
MACKEREL	-	-	300	38	7,400	1,916
MENHADEN	-	-	18,001,100	173,347	-	-
OCEAN PERCH	-	-	-	-	63,174,700	2,409,579
OCEAN POUT	-	-	-	-	58,500	890
POLLOCK	-	-	-	-	15,914,300	562,640
SCUP OR PORGY	-	-	-	-	1,154,400	27,253
SEA BASS	-	-	-	-	62,300	6,125
SHAD	-	-	-	-	2,900	92
SHARKS, UNCLASSIFIED	-	-	-	-	7,900	401
SKATES	-	-	-	-	61,400	2,119
STRIPED BASS	-	-	-	-	200	18
STURGEON	-	-	-	-	8,000	828
TAUTOG	-	-	-	-	5,500	177
TILEFISH	-	-	-	-	1,193,400	64,806
TUNA, BLUEFIN	-	-	610,700	31,151	100	20
WHITING	-	-	-	-	87,042,900	1,942,021
WOLFFISH	-	-	-	-	720,700	39,507
UNCLASSIFIED:						
FOR FOOD	-	-	-	-	7,663,900	438,004
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	16,398,000	153,830

(CONTINUED ON NEXT PAGE)

MASSACHUSETTS - CATCH BY GEAR, 1960 - Continued

SPECIES	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
LOBSTERS, NORTHERN	-	-	-	-	169,500	$61,722
SHRIMP	-	-	-	-	1,200	250
SCALLOPS, SEA	-	-	-	-	200	66
SQUID	-	-	-	-	43,100	2,359
TOTAL	1,669,700	$29,760	34,764,000	$340,542	396,402,400	23,002,888

SPECIES	POUND NETS		FLOATING TRAPS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	85,000	$638	26,900	$210	-	-
ANCHOVIES	3,000	134	-	-	-	-
BLUEFISH	6,100	900	500	59	-	-
BONITO	25,300	2,699	-	-	-	-
BUTTERFISH	490,800	63,950	169,800	19,676	-	-
COD	2,300	140	3,900	192	-	-
EELS, COMMON	-	-	-	-	34,800	$2,126
FLOUNDERS:						
BLACKBACK	500	64	-	-	-	-
FLUKE	50,300	11,412	-	-	-	-
HAKE:						
RED	69,900	699	-	-	-	-
WHITE	3,600	90	-	-	-	-
HERRING, SEA	1,951,700	29,709	4,400	35	-	-
MACKEREL	1,268,700	177,200	502,500	80,684	-	-
MENHADEN	26,600	319	4,500	43	-	-
POLLOCK	212,000	4,228	19,100	575	-	-
SALMON	-	-	100	53	-	-
SCUP OR PORGY	68,900	1,603	-	-	-	-
SEA BASS	1,200	157	-	-	-	-
SHAD	24,900	4,741	-	-	-	-
STRIPED BASS	4,900	1,131	100	14	-	-
TAUTOG	16,900	366	-	-	-	-
TUNA, BLUEFIN	417,800	26,364	2,100	159	-	-
WHITING	257,000	6,888	45,700	1,135	-	-
WOLFFISH	-	-	400	2	-	-
UNCLASSIFIED:						
FOR FOOD	4,600	583	38,400	3,270	-	-
BAIT, REDUCTION, AND ANIMAL FOOD	127,400	2,182	400	2	-	-
CRABS:						
GREEN	-	-	-	-	102,300	9,664
ROCK	-	-	-	-	77,100	5,549
LOBSTERS, NORTHERN	-	-	-	-	3,300,500	1,714,547
CONCHS	-	-	-	-	9,000	1,200
SQUID	1,201,700	70,769	3,400	140	-	-
TOTAL	6,321,100	406,966	822,200	106,249	3,523,700	1,733,086

SPECIES	GILL NETS				LINES	
	ANCHOR		DRIFT		HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	-	-	-	-	8,500	$1,276
BUTTERFISH	-	-	400	$77	100	5
COD	1,142,500	$73,294	-	-	1,027,400	67,158
CUSK	1,900	74	-	-	1,400	49
FLOUNDERS:						
LEMON SOLE	-	-	-	-	500	86
BLACKBACK	139,800	16,686	-	-	4,400	400
DAB	200	12	-	-	200	14
FLUKE	-	-	-	-	1,700	397
HADDOCK	154,600	14,789	-	-	80,000	7,169
HAKE, WHITE	78,000	3,217	-	-	200	10
HALIBUT	100	27	-	-	600	237
MACKEREL	-	-	15,000	3,345	200	32
POLLOCK	303,100	10,667	-	-	1,733,100	55,204
SHAD	800	38	-	-	-	-
SHARKS, UNCLASSIFIED	2,400	87	2,400	105	2,800	111
STRIPED BASS	-	-	-	-	123,900	23,486
STURGEON	400	44	-	-	-	-

(CONTINUED ON NEXT PAGE)

MASSACHUSETTS - CATCH BY GEAR, 1960 - Continued

SPECIES	GILL NETS				LINES	
	ANCHOR		DRIFT		HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
TAUTOG	100	$2	-	-	-	-
TUNA, BLUEFIN	-	-	-	-	57,400	$3,098
WHITING	200	3	1,000	$23	-	-
WOLFFISH	-	-	-	-	100	4
UNCLASSIFIED:						
FOR FOOD	286,300	20,226	-	-	28,300	1,826
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	100	4
TOTAL	2,110,400	139,166	18,800	3,550	3,070,900	160,566

SPECIES	LINES - CONTINUED		DIP NETS		HARPOONS	
	LONG OR SET WITH HOOKS					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	1,977,600	$137,508	-	-	-	-
CUSK	393,700	21,726	-	-	-	-
FLOUNDERS:						
GRAY SOLE	100	18	-	-	-	-
LEMON SOLE	3,100	370	-	-	-	-
YELLOWTAIL	400	58	-	-	-	-
BLACKBACK	3,600	462	-	-	-	-
FLUKE	3,900	898	-	-	-	-
HADDOCK	1,960,200	192,393	-	-	-	-
HAKE, WHITE	204,800	14,606	-	-	-	-
HALIBUT	32,900	12,430	-	-	-	-
POLLOCK	124,700	5,915	-	-	-	-
SHARKS, UNCLASSIFIED	2,300	133	-	-	300	$5
SKATES	2,200	121	-	-	-	-
SWORDFISH	-	-	-	-	712,600	288,527
TUNA, BLUEFIN	1,300	77	-	-	96,800	6,685
WHITING	1,000	42	-	-	-	-
WOLFFISH	12,800	613	-	-	-	-
UNCLASSIFIED, FOR FOOD	19,300	1,299	-	-	-	-
SCALLOPS, BAY	-	-	89,500	$61,073	-	-
TOTAL	4,743,900	388,669	89,500	61,073	809,700	295,217

SPECIES	SPEARS		DREDGES		TONGS		RAKES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	-	-	300	$22	-	-	-	-
EELS, COMMON	900	$225	-	-	-	-	-	-
FLOUNDERS:								
GRAY SOLE	-	-	89,500	7,539	-	-	-	-
LEMON SOLE	-	-	7,900	1,238	-	-	-	-
YELLOWTAIL	-	-	160,500	10,218	-	-	-	-
BLACKBACK	-	-	7,700	985	-	-	-	-
DAB	-	-	800	75	-	-	-	-
FLUKE	-	-	3,300	490	-	-	-	-
HADDOCK	-	-	7,600	393	-	-	-	-
WOLFFISH	-	-	100	4	-	-	-	-
UNCLASSIFIED, FOR FOOD	-	-	900	100	-	-	-	-
CLAMS:								
HARD:								
PUBLIC	-	-	349,100	99,379	200,100	$134,507	755,400	$427,736
PRIVATE	-	-	-	-	-	-	19,200	16,950
SOFT, PUBLIC	-	-	-	-	-	-	56,700	48,396
SURF	-	-	2,600	413	-	-	-	-
CONCHS	-	-	-	-	4,500	450	1,600	165
MUSSELS, SEA	-	-	-	-	-	-	47,800	4,123
OYSTERS, MARKET:								
PUBLIC:								
SPRING	-	-	6,500	4,425	8,200	6,280	1,000	1,200
FALL	-	-	-	-	4,200	2,600	-	-
PRIVATE:								
SPRING	-	-	42,100	66,168	2,300	4,200	-	-
FALL	-	-	25,700	39,900	13,800	16,779	-	-
SCALLOPS:								
BAY	-	-	832,500	603,379	-	-	3,600	2,988
SEA	-	-	20,585,700	7,164,452	-	-	-	-
IRISH MOSS	-	-	-	-	-	-	1,624,200	33,589
TOTAL	900	225	22,122,800	7,999,180	233,100	164,816	2,509,500	535,147

(CONTINUED ON NEXT PAGE)

MASSACHUSETTS - CATCH BY GEAR, 1960 - Continued

SPECIES	HOES		FORKS		DIVING OUTFITS		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CRABS, ROCK	-	-	-	-	200	$12	-	-
LOBSTERS, NORTHERN	-	-	-	-	34,000	17,718	1,100	$534
CLAMS:								
HARD, PUBLIC	77,200	$42,643	-	-	-	-	-	-
RAZOR	77,700	20,128	-	-	-	-	-	-
SOFT, PUBLIC	674,600	442,272	-	-	-	-	-	-
MUSSELS, SEA	200	48	312,000	$25,204	-	-	-	-
OYSTERS, MARKET, PUBLIC:								
SPRING	-	-	3,200	5,000	-	-	-	-
FALL	-	-	3,300	5,000	-	-	-	-
SANDWORMS	25,200	21,757	-	-	-	-	-	-
TOTAL	854,900	526,848	318,500	35,204	34,200	17,730	1,100	534

MASSACHUSETTS - OPERATING UNITS BY COUNTIES, 1960

ITEM	BARNSTABLE	BRISTOL	DUKES	ESSEX	NANTUCKET	NORFOLK	PLYMOUTH	SUFFOLK
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS	336	1,420	-	905	-	-	43	816
ON BOATS AND SHORE:								
REGULAR	299	94	23	367	9	34	126	66
CASUAL	970	682	1,190	1,377	301	81	856	184
TOTAL	1,605	2,196	1,213	2,649	310	115	1,025	1,066
VESSELS, MOTOR	88	204	-	128	-	-	15	78
GROSS TONNAGE	2,923	12,440	-	9,760	-	-	335	9,733
BOATS:								
MOTOR	859	525	456	611	103	-	463	73
OTHER	40	8	3	140	2	-	68	7
ACCESSORY BOATS	5	22	-	12	-	-	-	-
GEAR:								
HAUL SEINES, COMMON	1	-	-	3	-	1	1	-
LENGTH, YARDS	17	-	-	150	-	17	25	-
PURSE SEINES:								
MENHADEN	-	-	-	5	-	-	-	-
LENGTH, YARDS	-	-	-	2,525	-	-	-	-
TUNA	1	-	-	-	-	-	-	-
LENGTH, YARDS	450	-	-	-	-	-	-	-
OTTER TRAWLS, FISH	91	138	-	117	-	-	14	69
YARDS AT MOUTH	2,108	3,515	-	3,295	-	-	296	2,065
POUND NETS, FISH	52	4	-	-	-	-	-	-
FLOATING TRAPS	-	-	-	23	-	-	-	-
POTS AND TRAPS:								
CONCH	-	-	-	-	100	-	-	-
CRAB	-	-	-	175	-	-	28	-
EEL	140	-	-	50	-	-	-	-
LOBSTER	7,047	3,724	3,807	28,183	115	-	33,221	13,061
GILL NETS:								
ANCHOR	-	-	-	16	-	-	1	23
SQUARE YARDS	-	-	-	88,680	-	-	7,000	9,200
DRIFT	6	-	-	4	-	-	-	1
SQUARE YARDS	21,000	-	-	24,000	-	-	-	2,000
LINES:								
HAND	231	258	592	435	150	-	150	11
HOOKS	253	258	604	653	150	-	150	11
LONG OR SET WITH HOOKS	23	-	-	18	-	-	-	9
HOOKS	57,500	-	-	42,200	-	-	-	66,000
DIP NETS, COMMON	141	13	4	-	-	-	-	-
HARPOONS	4	46	40	33	-	-	-	-
SPEARS	6	-	-	-	-	-	-	-
DREDGES:								
CLAM	15	15	3	-	-	-	1	-
YARDS AT MOUTH	15	15	3	-	-	-	1	-
OYSTER, COMMON	5	-	19	-	-	-	-	-
YARDS AT MOUTH	6	-	19	-	-	-	-	-
SCALLOP	1,089	520	738	4	200	-	144	4
YARDS AT MOUTH	916	823	574	14	156	-	112	14

(CONTINUED ON NEXT PAGE)

MASSACHUSETTS - OPERATING UNITS BY COUNTIES, 1960 - Continued

ITEM	BARNSTABLE	BRISTOL	DUKES	ESSEX	NANTUCKET	NORFOLK	PLYMOUTH	SUFFOLK
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
GEAR - CONTINUED:								
TONGS:								
OYSTER.	6	8	-	-	-	-	4	-
OTHER	10	82	-	-	1	-	-	-
RAKES:								
OYSTER.	4	-	-	-	-	-	-	-
OTHER	422	222	40	-	21	-	65	-
HOES.	49	77	-	303	-	111	114	112
FORKS	31	-	-	-	-	-	-	-
DIVING OUTFITS.	55	1	-	342	-	-	115	13

MASSACHUSETTS - CATCH BY COUNTIES, 1960

SPECIES	BARNSTABLE		BRISTOL		DUKES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	206,000	$1,364	-	-	-	-
ANCHOVIES	3,000	134	-	-	-	-
BLUEFISH.	6,200	908	-	-	4,500	$676
BONITO.	25,300	2,699	-	-	-	-
BUTTERFISH.	823,500	105,435	108,500	$6,246	-	-
COD	3,664,600	247,696	5,091,000	373,645	3,000	240
CUSK.	23,600	471	1,200	25	-	-
EELS, COMMON.	27,700	1,391	-	-	-	-
FLOUNDERS:						
GRAY SOLE	264,700	36,637	855,800	94,366	-	-
LEMON SOLE.	88,400	16,517	2,102,900	449,919	-	-
YELLOWTAIL.	3,230,600	390,789	23,666,400	2,278,355	-	-
BLACKBACK	3,086,600	383,544	7,707,600	983,026	-	-
DAB	304,000	22,861	856,000	102,871	-	-
FLUKE	1,072,200	180,767	4,509,700	901,548	-	-
HADDOCK	2,918,400	226,546	10,481,800	797,886	-	-
HAKE:						
RED	7,240,500	74,735	-	-	-	-
WHITE	109,400	4,320	8,500	271	-	-
HALIBUT	18,200	6,701	7,800	1,333	-	-
HERRING, SEA.	1,955,300	30,000	-	-	-	-
LAUNCE.	400	23	-	-	-	-
MACKEREL.	1,282,800	181,048	-	-	-	-
MENHADEN.	26,600	319	-	-	-	-
OCEAN PERCH	20,600	834	-	-	-	-
OCEAN POUT.	58,500	890	-	-	-	-
POLLOCK	567,800	16,512	51,300	1,870	-	-
SCUP OR PORGY	1,084,400	21,400	138,900	7,456	-	-
SEA BASS.	57,100	5,537	6,400	745	-	-
SHAD.	24,900	4,741	-	-	-	-
SHARKS, UNCLASSIFIED. . . .	4,700	225	-	-	-	-
SKATES.	200	4	-	-	-	-
STRIPED BASS.	58,700	10,821	20,600	3,982	15,200	3,034
STURGEON.	4,500	452	2,700	300	-	-
SWORDFISH	20,100	7,625	646,500	260,202	46,000	20,700
TAUTOG.	19,100	440	3,400	105	-	-
TILEFISH.	22,900	1,044	1,170,100	63,740	-	-
TUNA, BLUEFIN	1,068,900	59,754	-	-	-	-
WHITING	22,957,600	491,624	1,300	26	-	-
WOLFFISH.	75,000	2,769	26,000	1,401	-	-
UNCLASSIFIED:						
FOR FOOD.	261,700	21,388	-	-	-	-
BAIT, REDUCTION, AND ANIMAL FOOD.	5,706,900	81,021	10,497,300	72,939	-	-
CRABS, ROCK	-	-	100	4	100	4
LOBSTERS, NORTHERN.	204,100	116,292	246,800	98,171	158,500	78,417
CLAMS:						
HARD, PUBLIC.	746,900	368,262	463,000	238,525	52,100	27,989
RAZOR	41,500	10,368	-	-	-	-
SOFT, PUBLIC.	59,200	49,829	10,400	8,000	18,700	14,580
SURF.	2,600	413	-	-	-	-
CONCHS.	-	-	6,100	615	-	-
MUSSELS, SEA.	323,800	26,087	-	-	-	-

(CONTINUED ON NEXT PAGE)

MASSACHUSETTS - CATCH BY COUNTIES, 1960 - Continued

SPECIES	BARNSTABLE		BRISTOL		DUKES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
OYSTERS, MARKET:						
PUBLIC:						
SPRING	6,200	$8,680	6,200	$3,800	6,500	$4,425
FALL	3,300	5,000	4,200	2,600	-	-
PRIVATE:						
SPRING	36,400	62,700	-	-	8,000	7,668
FALL	29,400	46,728	-	-	-	-
SCALLOPS:						
BAY	446,700	334,975	97,200	77,636	140,100	102,225
SEA	68,600	24,289	19,352,600	6,748,357	-	-
SQUID	1,219,900	72,210	3,000	159	-	-
SANDWORMS	-	-	200	146	-	-
TOTAL	61,580,200	3,767,819	88,151,500	13,580,270	452,700	259,958

SPECIES	ESSEX		NANTUCKET		NORFOLK	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	16,178,200	$136,184	-	-	80,000	$480
ANGLERFISH	2,200	69	-	-	-	-
BLUEFISH	500	59	2,500	$375	-	-
BUTTERFISH	245,800	23,911	-	-	-	-
COD	4,320,300	259,283	6,000	587	-	-
CUSK	361,600	15,159	-	-	-	-
EELS, COMMON	8,000	960	-	-	-	-
FLOUNDERS:						
GRAY SOLE	750,700	101,997	-	-	-	-
LEMON SOLE	49,400	5,984	-	-	-	-
YELLOWTAIL	127,800	8,556	16,200	2,097	-	-
BLACKBACK	122,400	9,314	10,300	1,549	-	-
DAB	665,100	41,900	-	-	-	-
FLUKE	200	10	-	-	-	-
HADDOCK	13,811,100	1,032,627	-	-	-	-
HAKE:						
RED	236,300	4,545	-	-	-	-
WHITE	1,110,300	50,205	-	-	-	-
HALIBUT	73,900	17,823	-	-	-	-
HERRING, SEA	4,400	35	-	-	-	-
LAUNCE	281,800	15,498	-	-	-	-
MACKEREL	508,700	81,677	-	-	-	-
MENHADEN	18,005,600	173,390	-	-	-	-
OCEAN PERCH	61,672,800	2,338,932	-	-	-	-
POLLOCK	6,832,100	206,102	-	-	-	-
SALMON	100	53	-	-	-	-
SHAD	3,400	122	-	-	-	-
SHARKS, UNCLASSIFIED	9,000	329	-	-	-	-
SKATES	34,800	1,139	-	-	-	-
STRIPED BASS	17,600	3,622	6,500	1,300	-	-
STURGEON	300	32	-	-	-	-
TILEFISH	400	22	-	-	-	-
TUNA, BLUEFIN	117,300	7,800	-	-	-	-
WHITING	63,150,400	1,422,196	-	-	-	-
WOLFFISH	128,500	4,955	-	-	-	-
UNCLASSIFIED:						
FOR FOOD	7,770,500	443,207	-	-	-	-
BAIT, REDUCTION, AND ANIMAL FOOD	321,700	2,058	-	-	-	-
CRABS:						
GREEN	102,300	9,664	-	-	-	-
ROCK	19,700	1,329	-	-	-	-
LOBSTERS, NORTHERN	1,405,100	721,032	1,400	853	-	-
SHRIMP	1,200	250	-	-	-	-
CLAMS:						
HARD, PUBLIC	-	-	14,000	7,013	-	-
RAZOR	32,800	8,700	-	-	-	-
SOFT, PUBLIC	389,700	267,122	-	-	146,600	84,642
CONCHS	-	-	9,000	1,200	-	-
SCALLOPS:						
BAY	-	-	172,300	103,383	-	-
SEA	60,800	21,490	13,800	4,920	-	-
SQUID	20,100	652	-	-	-	-
SANDWORMS	19,200	15,358	-	-	100	74
TOTAL	198,974,100	7,455,352	252,000	123,277	226,700	85,196

(CONTINUED ON NEXT PAGE)

MASSACHUSETTS - CATCH BY COUNTIES, 1960 - Continued

SPECIES	PLYMOUTH		SUFFOLK	
	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	1,186,900	$13,056	-	-
ANGLERFISH	-	-	800	$38
BLUEFISH	1,500	225	-	-
BUTTERFISH	-	-	17,800	1,805
COD	-	-	18,180,900	1,139,950
CUSK	-	-	959,400	55,368
FLOUNDERS:				
GRAY SOLE	-	-	396,100	72,785
LEMON SOLE	-	-	432,000	71,997
YELLOWTAIL	-	-	660,200	54,234
BLACKBACK	-	-	750,300	113,399
DAB	-	-	491,500	48,361
FLUKE	-	-	600	118
HADDOCK	-	-	87,432,000	7,033,628
HAKE, WHITE	-	-	1,434,900	94,713
HALIBUT	-	-	80,100	20,553
HERRING, SEA	-	-	300	13
MACKEREL	-	-	2,600	490
OCEAN PERCH	-	-	1,481,300	69,813
POLLOCK	-	-	10,855,100	414,745
SHAD	-	-	300	8
SHARKS, UNCLASSIFIED	-	-	4,400	288
SKATES	-	-	28,600	1,097
STRIPED BASS	10,500	1,890	-	-
STURGEON	-	-	900	88
WHITING	-	-	1,238,500	36,266
WOLFFISH	-	-	504,600	31,005
UNCLASSIFIED, FOR FOOD	-	-	9,500	713
CRABS, ROCK	38,400	2,830	19,000	1,394
LOBSTERS, NORTHERN	1,080,300	559,861	408,900	219,895
CLAMS:				
HARD:				
PUBLIC	105,800	62,476	-	-
PRIVATE	19,200	16,950	-	-
RAZOR	3,400	1,060	-	-
SOFT, PUBLIC	15,700	10,463	91,000	56,032
MUSSELS, SEA	36,200	3,288	-	-
OYSTERS, MARKET, PRIVATE, FALL	10,100	9,951	-	-
SCALLOPS:				
BAY	69,300	49,221	-	-
SEA	-	-	1,090,100	365,462
SQUID	-	-	5,200	247
IRISH MOSS	1,624,200	33,589	-	-
SANDWORMS	4,800	5,474	900	705
TOTAL	4,206,300	770,334	126,577,800	9,905,210

GATHERING BY HAND

NEW ENGLAND FISHERIES

RHODE ISLAND

OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	PURSE SEINES, MENHADEN	OTTER TRAWLS, FISH	FLOATING TRAPS	HOOP AND FYKE NETS, FISH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	31	303	49	-
ON BOATS AND SHORE:					
REGULAR	9	-	15	4	3
CASUAL	-	-	9	-	-
TOTAL	9	31	327	53	3
VESSELS, MOTOR	-	4	86	6	-
GROSS TONNAGE	-	186	2,732	151	-
BOATS:					
MOTOR	-	-	13	1	3
OTHER	3	-	-	2	-
ACCESSORY BOATS	-	8	-	14	-
GEAR:					
NUMBER	3	4	99	16	18
LENGTH, YARDS	600	1,325	-	-	-
YARDS AT MOUTH	-	-	2,362	-	-

ITEM	POTS AND TRAPS				GILL NETS, ANCHOR
	CONCH	CRAB	EEL	LOBSTER	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	4	-	4	5
ON BOATS AND SHORE:					
REGULAR	13	14	10	91	-
CASUAL	2	1	-	72	-
TOTAL	15	19	10	167	5
VESSELS, MOTOR	-	2	-	2	1
GROSS TONNAGE	-	21	-	21	12
BOATS:					
MOTOR	12	9	9	130	-
OTHER	-	-	-	1	-
ACCESSORY BOATS	-	-	-	-	1
GEAR:					
NUMBER	631	1,335	454	10,561	3
SQUARE YARDS	-	-	-	-	1,458

ITEM	LINES			HARPOONS	SPEARS	DREDGES
	HAND	TROLL	LONG OR SET WITH HOOKS			CLAM
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	9	2	-	120	-	30
ON BOATS AND SHORE:						
REGULAR	28	4	14	6	1	46
CASUAL	80	18	2	-	-	8
TOTAL	117	24	16	126	1	84
VESSELS, MOTOR	4	1	-	33	-	15
GROSS TONNAGE	45	7	-	998	-	191
BOATS, MOTOR	49	11	8	-	1	24
ACCESSORY BOATS	-	-	-	41	-	-
GEAR:						
NUMBER	171	24	8	33	1	39
YARDS AT MOUTH	-	-	-	-	-	39
HOOKS	324	31	7,200	-	-	-

ITEM	DREDGES-CONTINUED	TONGS		RAKES	HOES	TOTAL, EXCLUSIVE OF DUPLICATION
	MUSSEL	OYSTER	OTHER			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	2	-	-	-	-	411
ON BOATS AND SHORE:						
REGULAR	-	22	425	107	4	553
CASUAL	-	-	343	86	-	511
TOTAL	2	22	768	193	4	1,475
VESSELS, MOTOR	1	-	-	-	-	110
GROSS TONNAGE	16	-	-	-	-	3,120
BOATS:						
MOTOR	-	15	768	193	-	967
OTHER	-	7	-	-	-	13
ACCESSORY BOATS	-	-	-	-	-	64
GEAR:						
NUMBER	1	22	768	193	4	-
YARDS AT MOUTH	2	-	-	-	-	-

RHODE ISLAND - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANGLERFISH	-	-	-	-	5,000	$124
BLUEFISH	-	-	-	-	2,400	318
BONITO	-	-	-	-	100	10
BUTTERFISH	-	-	-	-	3,750,100	255,775
COD	-	-	-	-	455,500	29,255
EELS, CONGER	-	-	-	-	36,600	1,036
FLOUNDERS:						
GRAY SOLE	-	-	-	-	15,500	1,454
LEMON SOLE	-	-	-	-	4,700	733
YELLOWTAIL	-	-	-	-	2,109,600	185,956
BLACKBACK	100	$8	-	-	2,412,800	157,348
DAB	-	-	-	-	6,400	625
FLUKE	-	-	-	-	1,155,700	217,208
HADDOCK	-	-	-	-	97,800	6,965
HAKE:						
RED	-	-	-	-	29,000	682
WHITE	-	-	-	-	13,000	398
HERRING, SEA	-	-	-	-	209,700	9,111
KING WHITING OR "KINGFISH"	-	-	-	-	1,200	112
MACKEREL	-	-	-	-	38,300	8,971
MENHADEN	-	-	24,510,600	$220,595	-	-
POLLOCK	-	-	-	-	3,700	106
SCUP OR PORGY	-	-	-	-	2,570,600	138,647
SEA BASS	-	-	-	-	68,900	11,294
SEA ROBIN	-	-	-	-	4,200	146
SEA TROUT OR WEAKFISH, GRAY	-	-	-	-	1,800	141
SHARKS, UNCLASSIFIED	-	-	-	-	1,100	46
SKATES	-	-	-	-	6,700	166
STRIPED BASS	-	-	-	-	400	68
STURGEON	-	-	-	-	1,800	211
TAUTOG	-	-	-	-	25,700	1,241
THIMBLE-EYE MACKEREL	-	-	-	-	12,200	126
TILEFISH	-	-	-	-	1,018,600	69,112
WHITE PERCH	3,900	316	-	-	-	-
WHITING	-	-	-	-	4,308,500	96,541
UNCLASSIFIED:						
FOR FOOD	-	-	-	-	35,700	2,197
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	15,079,000	89,513
LOBSTERS, NORTHERN	-	-	-	-	113,200	44,741
SCALLOPS, SEA	-	-	-	-	900	339
SQUID	-	-	-	-	392,500	35,730
TOTAL	4,000	324	24,510,600	220,595	33,988,900	1,366,446

SPECIES	FLOATING TRAPS		HOOP AND FYKE NETS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
AMBERJACK	6,800	$246	-	-	-	-
ANCHOVIES	24,300	1,717	-	-	-	-
BLUEFISH	22,600	5,390	-	-	-	-
BONITO	27,700	4,115	-	-	-	-
BUTTERFISH	383,900	64,604	-	-	-	-
COD	146,400	15,408	-	-	-	-
EELS, COMMON	-	-	-	-	42,900	$7,712
FLOUNDERS:						
BLACKBACK	200	15	1,100	$59	-	-
FLUKE	121,000	19,366	-	-	-	-
HAKE, RED	100	4	-	-	-	-
HERRING, SEA	40,000	2,743	-	-	-	-
KING WHITING OR "KINGFISH"	300	26	-	-	-	-
MACKEREL	84,800	18,179	-	-	-	-
MENHADEN	38,400	370	-	-	-	-
MULLET, BLACK	9,500	762	-	-	-	-
POLLOCK	35,100	1,211	-	-	-	-
SCUP OR PORGY	3,945,800	159,765	-	-	-	-
SEA BASS	140,200	26,917	-	-	-	-
SEA ROBIN	205,200	2,062	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY	400	41	-	-	-	-
SHAD	3,100	220	-	-	-	-
SHARKS:						
GRAYFISH	800	25	-	-	-	-
UNCLASSIFIED	300	8	-	-	-	-

(CONTINUED ON NEXT PAGE)

RHODE ISLAND - CATCH BY GEAR, 1960 - Continued

SPECIES	FLOATING TRAPS		HOOP AND FYKE NETS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SKATES	100	$3	-	-	-	-
STRIPED BASS	68,100	13,300	-	-	-	-
STURGEON	1,000	106	-	-	-	-
SWELLFISH	16,800	475	-	-	-	-
TAUTOG	34,500	1,014	-	-	-	-
THIMBLE-EYE MACKEREL	13,000	930	-	-	-	-
TUNA, BLUEFIN	22,000	1,978	-	-	-	-
WHITING	149,200	7,626	-	-	-	-
UNCLASSIFIED:						
FOR FOOD	2,900	153	-	-	-	-
BAIT, REDUCTION, AND ANIMAL FOOD	49,300	374	-	-	-	-
CRABS:						
GREEN	-	-	-	-	5,600	$4,230
ROCK	-	-	-	-	227,900	23,649
LOBSTERS, NORTHERN	-	-	-	-	454,400	236,881
CONCHS	-	-	-	-	88,200	18,279
SQUID	410,200	48,517	-	-	-	-
TOTAL	6,004,000	397,670	1,100	$59	819,000	290,751

SPECIES	GILL NETS, ANCHOR		LINES			
			HAND		TROLL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	8,900	$1,798	-	-	300	$57
BONITO	100	29	-	-	1,000	101
COD	-	-	143,000	$10,632	-	-
FLOUNDERS:						
BLACKBACK	-	-	400	24	-	-
FLUKE	-	-	1,500	225	-	-
MACKEREL	-	-	100	6	-	-
POLLOCK	-	-	200	5	-	-
SEA BASS	-	-	400	97	-	-
STRIPED BASS	-	-	8,200	1,347	200	19
SWORDFISH	-	-	-	-	700	251
TAUTOG	-	-	7,700	672	-	-
TUNA, BLUEFIN	-	-	3,300	235	9,300	527
UNCLASSIFIED, FOR FOOD	-	-	300	14	100	12
TOTAL	9,000	1,827	165,100	13,257	11,600	967

SPECIES	LINES - CONTINUED		HARPOONS		SPEARS	
	LONG OR SET WITH HOOKS					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	77,600	$6,473	-	-	-	-
EELS, COMMON	-	-	-	-	400	$78
POLLOCK	100	5	-	-	-	-
SWORDFISH	-	-	210,700	$83,621	-	-
TUNA, BLUEFIN	-	-	3,500	299	-	-
TOTAL	77,700	6,478	214,200	83,920	400	78

SPECIES	DREDGES		TONGS		RAKES		HOES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CLAMS:								
HARD, PUBLIC	66,300	$26,013	2,514,900	$1,104,446	628,700	$276,111	-	-
OCEAN QUAHOGS	186,500	18,646	-	-	-	-	-	-
SOFT, PUBLIC	-	-	-	-	-	-	5,100	$3,148
CONCHS	2,200	363	400	64	-	-	-	-
MUSSELS, SEA	84,000	12,600	-	-	-	-	-	-
OYSTERS, MARKET, PUBLIC:								
SPRING	-	-	9,800	8,960	-	-	-	-
FALL	-	-	14,700	13,440	-	-	-	-
TOTAL	339,000	57,622	2,539,800	1,126,910	628,700	276,111	5,100	3,148

RHODE ISLAND - OPERATING UNITS BY COUNTIES, 1960

ITEM	BRISTOL	KENT	NEWPORT	WASHINGTON
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	-	2	227	185
ON BOATS AND SHORE:				
REGULAR	119	198	120	116
CASUAL	83	175	96	157
TOTAL	202	375	443	458
VESSELS, MOTOR	-	1	58	52
GROSS TONNAGE	-	16	1,715	1,411
BOATS:				
MOTOR	197	373	187	210
OTHER	-	-	3	12
ACCESSORY BOATS	-	-	22	42
GEAR:				
HAUL SEINES, COMMON	-	-	-	3
LENGTH, YARDS	-	-	-	600
PURSE SEINES, MENHADEN	-	-	-	4
LENGTH, YARDS	-	-	-	1,325
OTTER TRAWLS, FISH	-	-	45	54
YARDS AT MOUTH	-	-	1,087	1,275
FLOATING TRAPS	-	-	12	4
HOOP AND FYKE NETS, FISH	-	-	-	18
POTS AND TRAPS:				
CONCH	101	195	185	150
CRAB	530	-	805	-
EEL	104	110	-	240
LOBSTER	1,063	97	7,131	2,270
GILL NETS, ANCHOR	-	-	3	-
SQUARE YARDS	-	-	1,458	-
LINES:				
HAND	-	-	62	109
HOOKS	-	-	124	200
TROLL	-	-	8	16
HOOKS	-	-	8	23
LONG OR SET WITH HOOKS	-	-	5	3
HOOKS	-	-	3,960	3,240
HARPOONS	-	-	5	28
SPEARS	-	-	-	1
DREDGES:				
CLAM	6	-	31	2
YARDS AT MOUTH	6	-	31	2
MUSSEL	-	1	-	-
YARDS AT MOUTH	-	2	-	-
TONGS:				
OYSTER	-	-	-	22
OTHER	185	371	74	138
RAKES	47	92	19	35
HOES	2	1	-	1

RHODE ISLAND - CATCH BY COUNTIES, 1960

SPECIES	BRISTOL		KENT	
	POUNDS	VALUE	POUNDS	VALUE
EELS, COMMON	18,900	$3,744	17,300	$2,761
CRABS, ROCK	78,900	7,779	-	-
LOBSTERS, NORTHERN	21,500	11,223	2,400	1,229
CLAMS, PUBLIC:				
HARD	1,112,400	486,487	1,659,200	722,421
SOFT	4,900	3,032	100	40
CONCHS	15,200	3,524	34,500	6,900
MUSSELS, SEA	-	-	84,000	12,600
TOTAL	1,251,800	515,789	1,797,500	745,951

(CONTINUED ON NEXT PAGE)

RHODE ISLAND - CATCH BY COUNTIES, 1960 - Continued

SPECIES	NEWPORT		WASHINGTON	
	POUNDS	VALUE	POUNDS	VALUE
AMBERJACK	6,800	$246	-	-
ANCHOVIES	24,300	1,717	-	-
ANGLERFISH	300	13	4,700	$111
BLUEFISH	31,900	7,230	2,300	333
BONITO	28,100	4,177	800	78
BUTTERFISH	1,092,400	113,667	3,041,600	206,712
COD	353,000	31,808	469,500	29,960
EELS:				
COMMON	-	-	7,100	1,285
CONGER	12,300	608	24,300	428
FLOUNDERS:				
GRAY SOLE	10,300	955	5,200	499
LEMON SOLE	200	43	4,500	690
YELLOWTAIL	534,000	41,367	1,575,600	144,589
BLACKBACK	399,900	28,281	2,014,700	129,173
DAB	4,100	355	2,300	270
FLUKE	541,500	97,570	736,700	139,229
HADDOCK	22,200	1,716	75,600	5,249
HAKE:				
RED	25,600	629	3,500	57
WHITE	5,100	208	7,900	190
HERRING, SEA	173,800	8,777	75,900	3,077
KING WHITING OR "KINGFISH"	1,200	112	300	26
MACKEREL	83,000	18,103	40,200	9,053
MENHADEN	38,400	370	24,510,600	220,595
MULLET, BLACK	9,500	762	-	-
POLLOCK	31,800	1,203	7,300	124
SCUP OR PORGY	4,538,000	193,831	1,978,400	104,581
SEA BASS	151,900	28,801	57,600	9,507
SEA ROBIN	209,400	2,208	-	-
SEA TROUT OR WEAKFISH, GRAY	600	76	1,600	106
SHAD	2,700	179	400	41
SHARKS:				
GRAYFISH	800	25	-	-
UNCLASSIFIED	500	35	900	19
SKATES	600	24	6,200	145
STRIPED BASS	70,100	13,696	6,800	1,038
STURGEON	2,000	227	800	90
SWELLFISH	-	-	16,800	475
SWORDFISH	29,300	11,415	182,100	72,457
TAUTOG	49,200	2,344	18,700	583
THIMBLE-EYED MACKEREL	10,700	877	14,500	179
TILEFISH	62,300	3,507	956,300	65,605
TUNA, BLUEFIN	24,400	2,187	13,700	852
WHITE PERCH	-	-	3,900	316
WHITING	1,981,100	42,811	2,476,600	61,356
UNCLASSIFIED:				
FOR FOOD	3,600	194	35,400	2,182
BAIT, REDUCTION, AND ANIMAL FOOD	45,000	358	15,083,300	89,529
CRABS:				
GREEN	5,600	4,230	-	-
ROCK	149,000	15,870	-	-
LOBSTERS, NORTHERN	300,500	156,620	243,200	112,550
CLAMS:				
HARD, PUBLIC	137,900	65,134	300,400	132,528
OCEAN QUAHOGS	-	-	186,500	18,646
SOFT, PUBLIC	-	-	100	76
CONCHS	27,800	5,703	13,300	2,579
OYSTERS, MARKET, PUBLIC:				
SPRING	-	-	9,800	8,960
FALL	-	-	14,700	13,440
SCALLOPS, SEA	200	65	700	274
SQUID	466,700	54,458	336,000	29,789
TOTAL	11,699,600	964,792	54,569,300	1,619,631

NEW ENGLAND FISHERIES

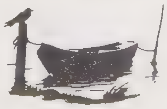
CONNECTICUT

OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	OTTER, TRAWLS, FISH	HOOP AND, FYKE NETS, FISH	POTS AND TRAPS		
				CONCH	EEL	LOBSTER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	95	-	-	-	10
ON BOATS AND SHORE:						
REGULAR.	-	5	-	5	1	20
CASUAL	13	31	2	10	33	111
TOTAL.	13	131	2	15	34	141
VESSELS, MOTOR	-	33	-	-	-	6
GROSS TONNAGE.	-	1,003	-	-	-	48
BOATS:						
MOTOR.	7	26	1	11	29	96
OTHER.	1	-	1	-	1	-
GEAR:						
NUMBER	8	59	6	252	461	7,581
LENGTH, YARDS.	452	-	-	-	-	-
YARDS AT MOUTH	-	1,129	-	-	-	-

ITEM	GILL NETS		LINES, HAND	DIP NETS, COMMON	HARPOONS	SPEARS
	DRIFT	STAKE				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	4	-	3	-	21	-
ON BOATS AND SHORE:						
REGULAR.	15	3	2	63	-	-
CASUAL	113	13	28	324	1	1
TOTAL.	132	16	33	387	22	1
VESSELS, MOTOR	2	-	2	-	7	-
GROSS TONNAGE.	23	-	53	-	179	-
BOATS:						
MOTOR.	54	4	22	382	1	1
OTHER.	10	6	-	-	-	-
ACCESSORY BOATS.	-	-	-	-	3	-
GEAR:						
NUMBER	56	9	33	387	8	1
SQUARE YARDS	93,018	1,783	-	-	-	-
HOOKS.	-	-	36	-	-	-

ITEM	DREDGES		TONGS		HOES	TOTAL, EXCLUSIVE OF DUPLI- CATION
	CLAM	OYSTER	OYSTER	OTHER		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	16	26	-	-	-	139
ON BOATS AND SHORE:						
REGULAR.	-	-	1	2	-	96
CASUAL	-	-	8	14	5	575
TOTAL.	16	26	9	16	5	810
VESSELS, MOTOR	6	9	-	-	-	52
GROSS TONNAGE.	195	207	-	-	-	1,301
BOATS:						
MOTOR.	-	-	8	12	-	550
OTHER.	-	-	-	-	-	18
ACCESSORY BOATS.	-	-	-	-	-	3
GEAR:						
NUMBER	6	18	9	16	5	-
YARDS AT MOUTH	6	24	-	-	-	-



CONNECTICUT - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		OTTER TRAWLS		HOOP AND FYKE NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	2,600	$32	2,000	$20	1,000	$20
BLUEFISH	-	-	200	50	-	-
BUTTERFISH	-	-	126,200	10,781	-	-
CARP	1,600	160	-	-	-	-
COD	-	-	225,400	14,471	-	-
FLOUNDERS:						
YELLOWTAIL	-	-	160,200	14,094	-	-
BLACKBACK	1,600	80	1,077,600	69,855	-	-
FLUKE	-	-	319,500	61,104	-	-
HADDOCK	-	-	19,900	1,416	-	-
HAKE, RED	-	-	27,700	651	-	-
HERRING, SEA	-	-	130,200	5,649	-	-
LAMPREY	-	-	-	-	500	62
MACKEREL	-	-	11,100	2,597	-	-
MENHADEN	-	-	1,500	25	-	-
SCUP OR PORGY	-	-	1,131,100	60,560	-	-
SEA BASS	-	-	34,300	5,382	-	-
SEA TROUT OR WEAKFISH, GRAY	-	-	300	24	-	-
SEA ROBIN	-	-	5,000	60	-	-
SHAD	3,900	647	-	-	-	-
SHARKS:						
GRAYFISH	-	-	4,600	68	-	-
UNCLASSIFIED	-	-	1,400	12	-	-
SKATES	800	16	17,500	215	-	-
SMELT	200	57	-	-	-	-
STURGEON, COMMON	-	-	5,900	989	-	-
SUCKERS	-	-	-	-	400	40
TAUTOG	-	-	20,300	756	-	-
WHITING	-	-	707,600	15,805	-	-
UNCLASSIFIED:						
FOR FOOD	-	-	238,500	14,649	-	-
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	406,400	6,035	-	-
LOBSTERS, NORTHERN	-	-	900	547	-	-
CONCHS	-	-	6,000	776	-	-
SQUID	-	-	38,400	2,981	-	-
TOTAL	10,700	992	4,719,700	289,572	1,900	122

SPECIES	POTS AND TRAPS		GILL NETS			
			DRIFT		STAKE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	12,000	$150	-	-
CARP	-	-	2,300	160	-	-
EELS, COMMON	18,000	$2,965	-	-	-	-
MENHADEN	-	-	11,500	156	-	-
SHAD	-	-	386,300	64,104	9,700	$1,606
UNCLASSIFIED, BAIT, REDUCTION, AND ANIMAL FOOD	-	-	800	10	-	-
LOBSTERS, NORTHERN	237,200	140,452	-	-	-	-
CONCHS	44,400	6,080	-	-	-	-
TOTAL	299,600	149,497	412,900	64,580	9,700	1,606

SPECIES	LINES, HAND		DIP NETS		HARPOONS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	2,400	$30	-	-
BLUEFISH	5,200	$1,177	-	-	-	-
COD	24,500	1,720	-	-	-	-
CUSK	400	18	-	-	-	-
FLOUNDERS:						
BLACKBACK	100	12	-	-	-	-
FLUKE	1,400	221	-	-	-	-
MACKEREL	1,000	303	-	-	-	-
POLLOCK	1,700	73	-	-	-	-
SCUP OR PORGY	900	70	-	-	-	-
SEA BASS	1,500	220	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY	500	52	-	-	-	-
SHARKS, UNCLASSIFIED	1,300	12	-	-	-	-
SKATES	1,000	12	-	-	-	-

(CONTINUED ON NEXT PAGE)

CONNECTICUT - CATCH BY GEAR, 1960 - Continued

SPECIES	LINES, HAND		DIP NETS		HARPOONS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
STRIPED BASS	4,800	$988	-	-	-	-
SWORDFISH	-	-	-	-	17,200	$6,827
TAUTOG	1,300	114	-	-	-	-
UNCLASSIFIED:						
FOR FOOD	500	32	-	-	-	-
BAIT, REDUCTION, AND ANIMAL FOOD	4,200	70	-	-	-	-
CRABS, BLUE, HARD	-	-	2,600	$554	-	-
SCALLOPS, BAY	-	-	137,100	91,857	-	-
TOTAL	50,300	5,094	142,100	92,441	17,200	6,827

SPECIES	SPEARS		DREDGES		TONGS		HOES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
EELS, COMMON	700	$153	-	-	-	-	-	-
CLAMS, PUBLIC:								
HARD	-	-	354,100	$114,356	16,100	$6,519	-	-
SOFT	-	-	-	-	-	-	600	$346
OYSTERS, MARKET:								
PUBLIC, SPRING	-	-	-	-	2,900	1,872	-	-
PRIVATE:								
SPRING	-	-	109,200	134,196	200	140	-	-
FALL	-	-	248,600	312,187	-	-	-	-
TOTAL	700	153	711,900	560,739	19,200	8,531	600	346

CONNECTICUT - OPERATING UNITS BY COUNTIES, 1960

ITEM	FAIRFIELD	HARTFORD	MIDDLESEX	NEW HAVEN	NEW LONDON
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	28	-	5	17	91
ON BOATS AND SHORE:					
REGULAR	6	-	13	3	74
CASUAL	16	16	123	31	389
TOTAL	50	16	141	51	554
VESSELS, MOTOR	10	-	3	7	32
GROSS TONNAGE	224	-	38	280	903
BOATS:					
MOTOR	15	6	68	27	434
OTHER	-	1	14	1	2
ACCESSORY BOATS	-	-	-	-	3
GEAR:					
HAUL SEINES, COMMON	-	1	3	-	4
LENGTH, YARDS	-	125	167	-	160
OTTER TRAWLS, FISH	5	-	11	7	36
YARDS AT MOUTH	89	-	161	134	745
HOOP AND FYKE NETS, FISH	-	2	4	-	-
POTS AND TRAPS:					
CONCH	-	-	-	140	112
EEL	5	35	180	37	204
LOBSTER	1,308	-	1,270	1,325	3,678
GILL NETS:					
DRIFT	5	3	41	-	7
SQUARE YARDS	707	3,667	76,519	-	12,125
STAKE	-	-	8	-	1
SQUARE YARDS	-	-	1,541	-	242
LINES, HAND	2	-	12	9	10
HOOKS	2	-	13	9	12
DIP NETS, COMMON	-	-	5	-	382
HARPOONS	-	-	2	-	6
SPEARS	-	-	-	-	1
DREDGES:					
CLAM	4	-	-	2	-
YARDS AT MOUTH	4	-	-	4	-
OYSTER	14	-	-	4	-
YARDS AT MOUTH	18	-	-	6	-
TONGS:					
OYSTER	-	-	3	5	1
OTHER	4	-	-	5	7
HOES	-	-	3	1	1

CONNECTICUT - CATCH BY COUNTIES, 1960

SPECIES	FAIRFIELD		HARTFORD	
	POUNDS	VALUE	POUNDS	VALUE
CARP	800	$40	-	-
EELS, COMMON	100	14	800	$150
FLOUNDERS, BLACKBACK	22,200	1,451	-	-
LAMPREY	-	-	500	62
MENHADEN	12,000	171	-	-
SCUP OR PORGY	64,800	4,000	-	-
SHAD	-	-	31,200	5,183
SUCKERS	-	-	400	40
TAUTOG	200	10	-	-
WHITING	10,100	226	-	-
UNCLASSIFIED:				
FOR FOOD	100	11	-	-
BAIT, REDUCTION, AND ANIMAL FOOD	6,500	175	-	-
LOBSTERS, NORTHERN	31,700	19,895	-	-
CLAMS, HARD, PUBLIC	242,100	75,826	-	-
CONCHS	100	15	-	-
OYSTERS, MARKET, PRIVATE:				
SPRING	92,600	117,995	-	-
FALL	204,200	271,523	-	-
TOTAL	687,500	491,352	32,900	5,435

SPECIES	MIDDLESEX		NEW HAVEN		NEW LONDON	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	3,600	$52	2,000	$20	14,400	$180
BLUEFISH	3,800	913	1,200	230	400	84
BUTTERFISH	9,500	1,035	57,900	4,877	58,800	4,869
CARP	200	20	-	-	2,900	260
COD	900	96	-	-	249,000	16,095
CUSK	-	-	-	-	400	18
EELS, COMMON	6,500	1,039	1,100	230	10,200	1,685
FLOUNDERS:						
YELLOWTAIL	-	-	-	-	160,200	14,094
BLACKBACK	19,200	1,372	76,200	4,446	961,700	62,678
FLUKE	14,900	3,839	1,600	295	304,400	57,191
HADDOCK	-	-	-	-	19,900	1,416
HAKE, RED	-	-	6,000	141	21,700	510
HERRING, SEA	-	-	8,000	347	122,200	5,302
MACKEREL	-	-	-	-	12,100	2,900
MENHADEN	-	-	1,000	10	-	-
POLLOCK	-	-	-	-	1,700	73
SCUP OR PORGY	19,000	1,392	353,700	17,808	694,500	37,430
SEA BASS	2,400	434	9,400	1,255	24,000	3,913
SEA TROUT OR WEAKFISH, GRAY	-	-	300	24	500	52
SEA ROBIN	-	-	500	5	4,500	55
SHAD	317,300	52,638	-	-	51,400	8,536
SHARKS:						
GRAYFISH	-	-	4,600	68	-	-
UNCLASSIFIED	-	-	2,400	20	300	4
SKATES	-	-	500	5	18,800	238
SMELT	-	-	-	-	200	57
STRIPED BASS	2,200	445	1,200	245	1,400	298
STURGEON, COMMON	2,800	579	3,000	400	100	10
SWORDFISH	1,100	438	-	-	16,100	6,389
TAUTOG	-	-	19,600	721	1,800	139
WHITING	14,900	333	73,000	1,592	609,600	13,654
UNCLASSIFIED:						
FOR FOOD	300	24	-	-	238,600	14,646
BAIT, REDUCTION, AND ANIMAL FOOD	124,900	1,561	227,600	3,728	52,400	651
CRABS, BLUE, HARD	-	-	-	-	2,600	554
LOBSTERS, NORTHERN	27,800	18,170	26,700	16,539	151,900	86,395
CLAMS, PUBLIC:						
HARD	-	-	126,600	44,369	1,500	680
SOFT	200	138	100	48	300	160
CONCHS	5,600	731	32,500	4,555	12,200	1,555
OYSTERS, MARKET:						
PUBLIC, SPRING	600	475	2,300	1,397	-	-
PRIVATE:						
SPRING	-	-	16,600	16,201	200	140
FALL	-	-	44,400	40,664	-	-
SCALLOPS, BAY	12,000	8,040	-	-	125,100	83,817
SQUID	1,700	171	26,000	1,837	10,700	973
TOTAL	591,400	93,935	1,126,000	162,077	3,958,700	427,701

LANDINGS AT MAINE PORTS

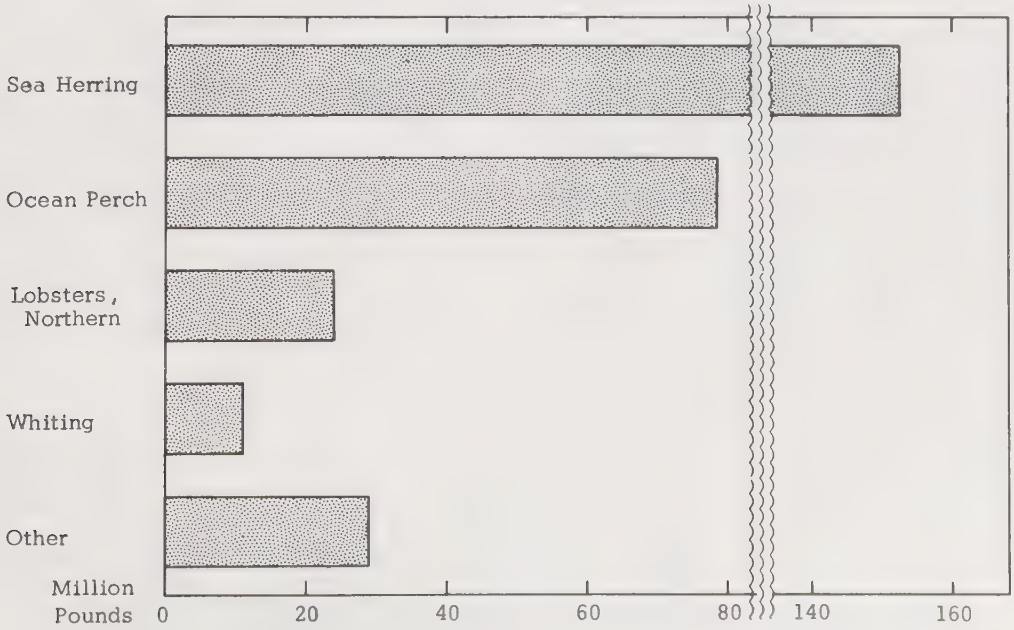
The Bureau of Commercial Fisheries, in cooperation with the Maine Department of Sea and Shore Fisheries, collects and compiles monthly and annual data on the landings of fish, shellfish, and other aquatic resources in the State of Maine. This information is published in the monthly bulletin, Maine Landings, which is in the Current Fishery Statistics series of reports. Additional detailed tabulations are prepared for the use of Bureau and State scientists and the International Commission for the Northwest Atlantic Fisheries.

A summary of data on Maine landings by species and months was included in Digests prior to 1959. This information has been omitted since that year. Instead, data on the Maine catch by gear and subarea have been included. The quantities shown represent the round weight of all species except univalve and bivalve mollusks. These shellfish are reported in pounds of meats. The statistics are comparable with catch figures shown in other tables in this report.

Landings by fishing craft of all sizes at Maine ports in 1960 amounted to 295 million pounds--nearly 29 million pounds above the amount landed in 1959. The major factor contributing to the increase was larger landings of sea herring. The catch increased from 117 million pounds in 1959 to 152 million pounds in 1960. Gains were also made in the lobster fishery. Receipts (24 million pounds) were nearly 2 million pounds larger than in 1959 and approached the 1889 record catch of 25 million pounds. The whiting fishery in Maine experienced its poorest season in several years. Compared with 1959, the catch was down 52 percent or 12 million pounds. The usual heavy run of whiting in Maine waters failed to materialize, and many fishing craft were forced into other fisheries.

SEA HERRING

LANDINGS OF CERTAIN SPECIES AT MAINE PORTS, 1960



LANDINGS AT MAINE PORTS, CATCH BY GEAR AND SUBAREA, 1960

GEAR AND SUBAREA	CRAFT FISHING	TRIPS	DAYS ABSENT	DAYS FISHED	COD, DRAWN			CUSK, DRAWN	FLOUNDERS, ROUND		
					LARGE	MARKET	SCROD		GRAY SOLE	LEMON-SOLE	YELLOW-TAIL
	NUMBER	NUMBER	NUMBER	NUMBER	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
LINE TRAWLS:											
CENTRAL MAINE	68	600.0	605	301.9	50,799	140,812	4,135	80,374	35	-	-
WESTERN MAINE	47	294.0	294	173.5	30,411	63,271	135	142,267	325	-	-
TOTAL	1/78	894.0	899	475.4	81,210	204,083	4,270	222,641	360	-	-
HAND LINES:											
CENTRAL MAINE	44	362.0	362	180.3	82,883	195,194	4,118	1,651	-	-	-
WESTERN MAINE	20	44.0	44	22.0	7,253	2,395	70	103	-	-	-
TOTAL	1/45	406.0	406	202.3	90,136	197,589	4,188	1,754	-	-	-
HARPOONS:											
SOUTHWEST GRAND BANKS	1	1.0	14	3.0	-	-	-	-	-	-	-
ST. PIERRE BANK	1	1.0	12	0.1	-	-	-	-	-	-	-
CENTRAL MAINE	12	85.0	85	42.5	-	-	-	-	-	-	-
WESTERN MAINE	22	116.0	116	70.5	-	-	-	-	-	-	-
TOTAL	1/25	203.0	227	116.1	-	-	-	-	-	-	-
OTTER TRAWLS, LARGE:											
NORTHERN GRAND BANKS	1	0.1	1	0.4	-	-	-	-	-	-	-
SOUTHEAST GRAND BANKS	10	62.4	1,002	191.1	-	-	-	-	-	-	-
SOUTHWEST GRAND BANKS	13	38.8	616	121.3	-	-	-	-	-	-	-
ST. PIERRE BANK	12	17.5	230	94.3	-	-	-	-	-	-	-
EAST GULF OF ST. LAWRENCE	9	8.7	130	34.7	-	-	-	-	-	-	-
NORTH GULF OF ST. LAWRENCE	5	3.3	45	11.2	-	-	-	-	-	-	-
NORTHEAST CAPE BRETON	7	10.2	133	32.4	-	-	-	-	-	-	-
MISAINE BANK	8	12.9	156	40.6	210	540	-	70	80	-	-
BANQUEREAU	11	19.6	257	70.6	740	1,030	-	795	335	-	-
CANSO	7	14.0	167	33.6	6,875	10,115	-	1,615	10,395	-	-
MIDDLE GROUND	6	4.3	60	16.4	350	1,515	-	170	2,680	-	-
HORSESHOE GROUND	6	6.9	86	15.3	960	1,655	410	535	785	-	-
SOUTHWEST SABLE ISLAND BANK	1	0.4	3	1.1	550	390	-	435	80	-	-
EASTERN NOVA SCOTIA	6	15.8	186	38.3	8,810	9,690	-	1,954	955	-	-
EMERALD BANK	6	6.0	79	18.0	2,890	3,450	900	145	1,030	-	-
CENTRAL NOVA SCOTIA	13	18.0	222	45.1	5,390	205,903	-	2,475	17,300	-	-
SOUTHERN NOVA SCOTIA	10	21.5	234	49.2	4,040	2,585	-	1,255	1,560	-	-
WESTERN NOVA SCOTIA	3	7.9	67	16.7	4,060	7,600	-	3,735	1,390	-	-
EASTERN MAINE	3	3.2	25	5.5	-	4,290	-	1,260	295	-	-
CENTRAL MAINE	1	0.3	2	0.5	-	635	-	130	110	-	-
WESTERN MAINE	3	3.5	8	2.0	270	490	-	525	230	-	-
INNER GROUNDS	6	36.8	188	50.8	3,735	13,673	-	9,945	16,120	-	-
WEST SIDE SOUTH CHANNEL	1	0.9	7	0.7	-	-	-	-	-	-	-
TOTAL	1/18	313.0	3,904	889.8	38,880	263,561	1,310	25,044	53,345	-	-
OTTER TRAWLS, MEDIUM:											
ST. PIERRE BANK	1	0.5	6	1.7	-	-	-	-	-	-	-
NORTHEAST CAPE BRETON	3	5.7	67	15.2	-	-	-	-	-	-	-
MISAINE BANK	3	12.3	129	36.5	-	150	-	200	55	-	-
BANQUEREAU	2	1.3	12	3.3	1,035	920	-	740	255	-	-
CANSO	1	0.1	1	0.4	-	-	-	-	-	-	-
MIDDLE GROUND	1	0.2	3	0.5	-	-	-	-	-	-	-
SOUTHEAST SABLE ISLAND BANK	1	0.6	4	1.2	-	-	-	-	-	-	-
HORSESHOE GROUND	1	0.5	8	1.3	-	290	-	-	-	-	-
EASTERN NOVA SCOTIA	3	3.7	34	8.0	-	-	-	-	-	-	-

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MAINE PORTS, CATCH BY GEAR AND SUBAREA, 1960 - Continued

GEAR AND SUBAREA	CRAFT FISHING	TRIPS	DAYS ABSENT	DAYS FISHED	COD, DRAWN			CUSK, DRAWN	FLOUNDERS, ROUND		
					LARGE	MARKET	SCROD		GRAY SOLE	LEMON-SOLE	YELLOW-TAIL
	NUMBER	NUMBER	NUMBER	NUMBER	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
OTTER TRAWLS, MEDIUM - CONTINUED:											
CENTRAL NOVA SCOTIA	3	1.6	15	4.2	-	1,475	-	65	150	-	-
SOUTHERN NOVA SCOTIA	8	8.0	68	18.5	2,065	5,875	-	1,375	325	-	-
WESTERN BROWNS	2	2.0	10	4.2	-	190	-	755	75	-	-
WESTERN NOVA SCOTIA	16	40.1	245	79.9	13,295	26,907	675	19,797	7,941	-	-
SOUTHERN BAY OF FUNDY	2	1.9	12	3.4	1,550	720	-	1,235	-	-	-
NORTHERN BAY OF FUNDY	3	2.9	19	5.2	1,090	4,165	-	1,030	175	-	-
EASTERN MAINE	10	72.8	384	122.2	1,630	64,488	-	35,015	27,836	-	-
CENTRAL MAINE	16	88.7	397	122.1	15,110	48,877	50	35,174	69,913	-	2,225
WESTERN MAINE	15	82.6	218	71.6	19,935	30,614	-	25,219	25,725	-	-
INNER GROUNDS	20	140.8	723	238.8	43,070	49,075	550	63,230	29,070	-	-
WEST SIDE SOUTH CHANNEL	7	6.7	50	16.7	55	465	-	1,100	310	-	-
TOTAL	1/27	473.0	2,405	754.9	98,835	234,211	1,275	184,935	161,830	-	2,225
OTTER TRAWLS, SMALL:											
BANQUEREAU	1	0.9	5	1.0	-	210	-	320	375	-	-
WESTERN BROWNS	1	1.0	8	3.0	-	235	-	940	460	-	-
WESTERN NOVA SCOTIA	4	7.6	34	9.4	-	4,753	60	816	900	-	-
EASTERN MAINE	7	44.8	201	61.6	1,412	30,960	-	11,854	12,598	-	-
CENTRAL MAINE	55	1,461.2	1,637	708.2	34,121	205,473	1,472	15,931	288,098	700	11,322
WESTERN MAINE	58	1,962.6	2,128	872.5	101,533	138,267	1,386	23,473	287,450	1,115	51,785
INNER GROUNDS	5	26.9	113	34.7	1,945	4,300	-	9,070	4,055	-	-
TOTAL	1/93	3,505.0	4,126	1,690.4	139,011	384,198	2,918	62,404	593,936	1,815	63,107
GILL NETS, WESTERN MAINE	7	909.0	929	818.5	527,958	202,577	-	14,930	-	-	-
DREDGES, SCALLOP:											
EASTERN MAINE	12	65.0	65	29.6	-	-	-	-	-	-	-
CENTRAL MAINE	28	249.0	249	115.6	-	-	-	-	-	-	-
NORTHERN EDGE OF GEORGES	6	67.1	655	456.8	-	-	-	-	-	-	-
CENTRAL AND SOUTHEAST GEORGES	2	19.9	163	117.7	-	-	-	-	-	-	-
TOTAL	1/39	401.0	1,132	719.7	-	-	-	-	-	-	-
TOTAL (LANDED WEIGHT-ALL SPECIES)	-	7,104.0	14,028	5,667.1	976,030	1,486,219	13,961	511,708	809,471	1,815	65,332
TOTAL (2/ ROUND WEIGHT-ALL SPECIES)	-	-	-	-	1,141,956	1,738,877	16,335	578,230	809,471	1,815	65,332
MISCELLANEOUS GEAR: UNCLASSIFIED WATERS PRINCIPALLY OFF MAINE	-	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL (2/ ROUND WEIGHT)	-	-	-	-	1,141,956	1,738,877	16,335	578,230	809,471	1,815	65,332

GEAR AND SUBAREA	FLOUNDERS, ROUND-CONTINUED		GRAY-FISH, ROUND	HADDOCK, DRAWN		HAKE, WHITE, DRESSED		HALIBUT, DRAWN	HERRING, SEA	MACKEREL, ROUND	OCEAN PERCH, ROUND
	BLACKBACK	DAB		LARGE	SCROD	LARGE	SMALL				
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
LINE TRAWLS:											
CENTRAL MAINE	472	91	-	43,132	7,966	1,351,233	-	38,292	-	-	-
WESTERN MAINE	-	-	60,555	92,298	16,323	10,340	19,290	2,151	-	-	-
TOTAL	472	91	60,555	135,430	24,289	1,361,573	19,290	40,443	-	-	-

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MAINE PORTS, CATCH BY GEAR AND SUBAREA, 1960 - Continued

GEAR AND SUBAREA	FLOUNDERS, ROUND-CONTINUED		GRAY-FISH, ROUND	HADDOCK, DRAWN		HAKE, WHITE DRESSED		HALIBUT, DRAWN	HERRING, SEA	MACKEREL, ROUND	OCEAN PERCH, ROUND
	BLACKBACK	DAB		LARGE	SCROD	LARGE	SMALL				
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
HAND LINES:											
CENTRAL MAINE	-	-	-	12,104	1,781	738	-	1,332	-	-	-
WESTERN MAINE	-	-	-	50	-	628	-	-	-	252	-
TOTAL	-	-	-	12,154	1,781	1,366	-	1,332	-	252	-
OTTER TRAWLS, LARGE:											
NORTHERN GRAND BANKS	-	-	-	-	-	-	-	-	-	-	2,000
SOUTHEAST GRAND BANKS	-	-	-	-	-	-	-	1,397	-	-	15,978,988
SOUTHWEST GRAND BANKS	-	3,490	-	2,400	-	-	-	7,922	-	-	9,372,222
ST. PIERRE BANK	-	-	-	-	-	-	-	3,874	-	-	4,252,265
EAST GULF OF ST. LAWRENCE	-	-	-	-	-	-	-	1,533	-	-	1,928,490
NORTH GULF OF ST. LAWRENCE	-	-	-	-	-	-	-	4,722	-	-	703,800
NORTHEAST CAPE BRETON	-	-	-	-	-	-	-	74	-	-	1,754,500
MISAINE BANK	-	80	-	290	145	150	35	-	-	-	2,233,766
BANQUEREAU	-	210	-	215	570	-	1,575	2,377	-	-	4,019,009
CANSO	-	15,555	-	3,785	4,530	-	625	1,845	-	-	2,547,615
MIDDLE GROUND	-	3,120	-	430	1,100	130	200	-	-	-	859,420
HORSESHOE GROUND	-	175	-	870	600	270	180	1,433	-	-	1,180,600
SOUTHWEST SABLE ISLAND BANK	-	65	-	440	965	-	600	732	-	-	57,500
EASTERN NOVA SCOTIA	-	1,275	-	7,555	9,960	-	2,925	1,165	-	-	2,647,846
EMERALD BANK	-	20	-	1,855	-	-	140	502	-	-	973,360
CENTRAL NOVA SCOTIA	-	2,835	-	6,695	5,810	340	1,910	288	-	-	2,906,190
SOUTHERN NOVA SCOTIA	-	2,980	-	3,810	2,590	2,000	365	799	-	-	3,150,734
WESTERN NOVA SCOTIA	-	365	-	19,784	11,905	1,292	2,410	-	-	-	616,100
EASTERN MAINE	-	80	-	7,490	5,785	1,205	-	-	-	-	150,300
CENTRAL MAINE	-	40	-	1,205	855	420	-	-	-	-	13,000
WESTERN MAINE	-	170	-	1,475	1,425	-	670	-	-	-	49,708
INNER GROUNDS	-	7,000	-	80,697	32,383	9,624	17,200	85	-	-	1,268,467
WEST SIDE SOUTH CHANNEL	-	-	-	-	-	-	-	-	-	-	69,245
TOTAL	-	37,460	-	138,996	78,623	15,431	28,835	28,748	-	-	56,735,125
OTTER TRAWLS, MEDIUM:											
ST. PIERRE BANK	-	-	-	-	-	-	-	-	-	-	55,000
NORTHEAST CAPE BRETON	-	-	-	-	-	-	-	-	-	-	669,500
MISAINE BANK	-	-	-	5,000	4,800	-	860	-	-	-	1,621,440
BANQUEREAU	-	250	-	15,350	3,920	-	177	-	-	-	95,000
CANSO	-	-	-	-	-	-	-	-	-	-	9,000
MIDDLE GROUND	-	-	-	-	-	-	-	-	-	-	20,000
SOUTHEAST SABLE ISLAND	-	-	-	-	-	-	-	-	-	-	40,000
HORSESHOE GROUND	-	75	-	-	145	-	135	-	-	-	48,000
EASTERN NOVA SCOTIA	-	-	-	-	-	-	-	-	-	-	370,500
CENTRAL NOVA SCOTIA	-	425	-	4,150	135	-	350	-	-	-	108,500
SOUTHERN NOVA SCOTIA	-	1,085	-	925	1,600	265	2,330	-	-	-	673,880
WESTERN BROWNS	-	-	-	1,575	125	-	275	-	-	-	131,000
WESTERN NOVA SCOTIA	20	4,241	-	97,618	91,615	11,705	15,667	1,549	-	-	2,091,695
SOUTHERN BAY OF FUNDY	-	45	-	705	350	-	2,040	60	-	-	162,300
NORTHERN BAY OF FUNDY	-	75	-	16,615	14,485	590	1,140	-	-	-	73,700
EASTERN MAINE	280	14,045	-	186,846	82,975	49,118	8,365	70	-	-	3,340,700
CENTRAL MAINE	2,635	42,860	-	112,366	77,285	31,706	9,290	207	-	-	2,105,575
WESTERN MAINE	-	10,940	-	120,429	76,195	13,677	25,307	275	-	-	719,220
INNER GROUNDS	-	22,508	-	282,030	126,155	4,020	49,393	735	-	-	4,861,010
WEST SIDE SOUTH CHANNEL	-	605	-	7,535	1,130	-	1,095	-	-	-	351,850
TOTAL	2,935	97,154	-	851,144	480,915	111,081	116,424	2,896	-	-	17,547,870

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MAINE PORTS, CATCH BY GEAR AND SUBAREA, 1960 - Continued

GEAR AND SUBAREA	FLOUNDERS, ROUND-CONTINUED		GRAY-FISH, ROUND	HADDOCK, DRAWN		HAKE, WHITE DRESSED		HALIBUT, DRAWN	HERRING, SEA	MACKEREL, ROUND	OCEAN PERCH, ROUND
	BLACKBACK	DAB		LARGE	SCROD	LARGE	SMALL				
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
OTTER TRAWLS, SMALL:											
BANQUEREAU	-	275	-	1,815	1,230	-	1,310	-	-	-	32,700
WESTERN BROWNS	-	550	-	1,000	200	-	1,790	-	-	-	52,000
WESTERN NOVA SCOTIA	-	610	-	5,555	3,242	2,440	-	-	-	-	319,300
EASTERN MAINE	-	11,380	-	72,773	30,746	12,506	7,925	90	-	-	1,350,200
CENTRAL MAINE	244,699	240,206	-	430,292	148,847	182,998	3,233	4,081	-	-	1,035,564
WESTERN MAINE	116,022	320,620	-	577,812	125,675	75,574	48,663	425	-	-	619,525
INNER GROUNDS	-	2,770	-	34,960	10,715	1,245	4,705	-	-	-	565,395
TOTAL	360,721	576,411	-	1,124,207	320,655	274,763	67,626	4,596	-	-	3,974,684
GILL NETS:											
WESTERN MAINE	-	-	939,567	193,050	2,165	17,345	249,872	196	-	-	-
TOTAL (LANDED WEIGHT-ALL SPECIES)	364,128	711,116	1,000,122	2,454,981	908,428	1,781,559	482,047	78,211	-	252	78,257,679
TOTAL (2/ ROUND WEIGHT-ALL SPECIES)	364,128	711,116	1,000,122	2,798,678	1,035,606	3,033,232		89,942	-	252	78,257,679
MISCELLANEOUS GEAR:											
UNCLASSIFIED WATERS PRINCIPALLY OFF MAINE	-	-	-	-	-	-		-	152,327,313	300,963	-
GRAND TOTAL (2/ ROUND WEIGHT)	364,128	711,116	1,000,122	2,798,678	1,035,606	3,033,232		89,942	152,327,313	301,215	78,257,679

GEAR AND SUBAREA	POLLOCK, DRAWN	TUNA, BLUEFIN, DRESSED	WHITING		WOLF-FISH, DRAWN	UNCLASSIFIED FISH		SCALLOPS, SEA	SHRIMP	LOBSTERS	UNCLASSIFIED SHELLFISH, ETC.	TOTAL
			ROUND	DRESSED		FOR FOOD	FOR REDUCTION					
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
LINE TRAWLS:												
CENTRAL MAINE	43,633	-	-	-	6,282	1,693	-	-	-	-	-	1,768,949
WESTERN MAINE	42,168	465	-	-	442	60	44,880	-	-	-	-	525,381
TOTAL	85,801	465	-	-	6,724	1,753	44,880	-	-	-	-	2,294,330
HAND LINES:												
CENTRAL MAINE	220,120	-	-	-	163	-	-	-	-	-	-	520,084
WESTERN MAINE	8,794	3,310	-	-	-	-	-	-	-	-	-	22,855
TOTAL	228,914	3,310	-	-	163	-	-	-	-	-	-	542,939
HARPOONS:												
SOUTHWEST GRAND BANKS	-	-	-	-	-	222	-	-	-	-	-	222
ST. PIERRE BANK	-	-	-	-	-	570	-	-	-	-	-	570
CENTRAL MAINE	-	46,630	-	-	-	-	-	-	-	-	-	46,630
WESTERN MAINE	-	82,254	-	-	-	-	-	-	-	-	-	82,254
TOTAL	-	128,884	-	-	-	792	-	-	-	-	-	129,676
OTTER TRAWLS, LARGE:												
NORTHERN GRAND BANKS	-	-	-	-	-	-	-	-	-	-	-	2,000
SOUTHEAST GRAND BANKS	-	-	-	-	-	170	-	-	-	-	-	15,980,555
SOUTHWEST GRAND BANKS	-	-	-	-	-	100	-	-	-	-	-	9,386,134
ST. PIERRE BANK	-	-	-	-	-	-	-	-	-	-	-	4,256,139

SEE FOOTNOTES AT END OF TABLE

(CONTINUED ON NEXT PAGE)

LANDINGS AT MAINE PORTS, CATCH BY GEAR AND SUBAREA, 1960 - Continued

GEAR AND SUBAREA	POLLOCK, DRAWN	TUNA, BLUEFIN, DRESSED	WHITING		WOLF-FISH, DRAWN	UNCLASSIFIED FISH		SCALLOPS, SEA	SHRIMP	LOBSTERS	UNCLAS-SIFIED SHELLFISH, ETC.	TOTAL
			ROUND	DRESSED		FOR FOOD	FOR REDUCTION					
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
OTTER TRAWLS, LARGE - CONTINUED:												
EAST GULF OF ST. LAWRENCE	-	-	-	-	-	-	-	-	-	-	-	1,930,023
NORTH GULF OF ST. LAWRENCE	-	-	-	-	-	-	-	-	-	-	-	708,522
NORTHEAST CAPE BRETON	-	-	-	-	-	-	-	-	-	-	-	1,754,574
MISAINE BANK	100	-	-	-	90	-	-	-	-	-	-	2,235,556
BANQUEREAU	8,615	-	-	-	200	-	-	-	-	-	-	4,035,671
CANSO	25,000	-	-	-	-	750	-	-	-	-	-	2,628,705
MIDDLE GROUND	10,870	-	-	-	-	-	-	-	-	-	-	879,985
HORSESHOE GROUND	1,000	-	-	-	-	-	-	-	-	-	-	1,189,473
SOUTHWEST SABLE ISLAND	23,000	-	-	-	170	-	-	-	-	-	-	84,927
EASTERN NOVA SCOTIA	72,110	-	-	-	2,125	-	-	-	-	-	-	2,766,370
EMERALD BANK	2,460	-	-	-	1,320	-	-	-	-	-	-	988,072
CENTRAL NOVA SCOTIA	17,633	-	-	216,000	3,105	-	-	-	-	-	-	3,391,874
SOUTHERN NOVA SCOTIA	150,048	-	-	-	720	-	-	-	-	-	-	3,323,486
WESTERN NOVA SCOTIA	30,065	-	-	-	-	-	-	-	-	-	-	698,706
EASTERN MAINE	13,310	-	-	-	200	-	-	-	-	-	-	184,215
CENTRAL MAINE	230	-	-	-	-	-	-	-	-	-	-	16,625
WESTERN MAINE	10,715	-	-	-	-	-	4,020	-	-	-	-	69,698
INNER GROUNDS	142,407	-	-	-	9,227	-	4,800	-	-	-	-	1,615,363
WEST SIDE SOUTH CHANNEL	-	-	-	-	-	-	-	-	-	-	-	69,245
TOTAL	507,563	-	-	216,000	17,157	1,020	8,820	-	-	-	-	58,195,918
OTTER TRAWLS, MEDIUM:												
ST. PIERRE BANK	-	-	-	-	-	-	-	-	-	-	-	55,000
NORTHEAST CAPE BRETON	-	-	-	-	-	-	-	-	-	-	-	669,500
MISAINE BANK	-	-	-	-	-	-	-	-	-	-	-	1,632,505
BANQUEREAU	9,490	-	-	-	-	-	-	-	-	-	-	127,137
CANSO	-	-	-	-	-	-	-	-	-	-	-	9,000
MIDDLE GROUND	-	-	-	-	-	-	-	-	-	-	-	20,000
SOUTHEAST SABLE ISLAND BANK	-	-	-	-	-	-	-	-	-	-	-	40,000
HORSESHOE GROUND	-	-	-	-	-	-	-	-	-	-	-	48,645
EASTERN NOVA SCOTIA	-	-	-	-	-	-	-	-	-	-	-	370,500
CENTRAL NOVA SCOTIA	525	-	-	-	85	-	-	-	-	-	-	115,860
SOUTHERN NOVA SCOTIA	50,535	-	-	-	195	-	-	-	-	-	-	740,455
WESTERN BROWNS	160	-	-	-	-	-	-	-	-	-	-	134,155
WESTERN NOVA SCOTIA	389,674	-	-	-	625	-	-	-	-	-	-	2,773,024
SOUTHERN BAY OF FUNDY	4,025	-	-	-	-	-	-	-	-	-	-	173,030
NORTHERN BAY OF FUNDY	79,840	-	-	-	40	-	-	-	-	-	-	192,945
EASTERN MAINE	71,333	-	-	-	1,795	-	-	-	-	-	-	3,884,496
CENTRAL MAINE	160,073	-	-	-	2,857	-	8,000	-	-	-	-	2,724,203
WESTERN MAINE	423,205	-	369,000	-	1,640	670	21,360	-	-	-	-	1,883,411
INNER GROUNDS	489,846	-	-	-	4,070	-	11,680	-	-	-	-	6,036,442
WEST SIDE SOUTH CHANNEL	6,480	-	-	-	80	-	-	-	-	-	-	370,705
TOTAL	1,685,186	-	369,000	-	11,387	670	41,040	-	-	-	-	22,001,013
OTTER TRAWLS, SMALL:												
BANQUEREAU	475	-	-	-	-	-	-	-	-	-	-	38,710
WESTERN BROWNS	670	-	-	-	-	-	-	-	-	-	-	57,845
WESTERN NOVA SCOTIA	500	-	-	-	45	-	-	-	-	-	-	338,221
EASTERN MAINE	7,892	-	-	-	1,020	550	1,800	-	-	-	-	1,553,706
CENTRAL MAINE	28,255	-	1,716,990	-	22,639	25,095	461,795	-	38,749	8,274	-	5,148,834
WESTERN MAINE	273,690	-	8,650,909	16,300	4,827	4,898	1,523,356	-	16,609	781	-	12,980,695
INNER GROUNDS	25,198	-	-	-	320	320	1,780	-	-	-	-	666,778
TOTAL	336,680	-	10,367,899	16,300	28,851	30,863	1,988,731	-	55,358	9,055	-	20,784,789

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MAINE PORTS, CATCH BY GEAR AND SUBAREA, 1960 - Continued

GEAR AND SUBAREA	POLLOCK, DRAWN	TUNA, BLUEFIN, DRESSED	WHITING		WOLF-FISH, DRAWN	UNCLASSIFIED FISH		SCALLOPS, SEA	SHRIMP	LOBSTERS	UNCLASSIFIED SHELLFISH, ETC.	TOTAL
			ROUND	DRESSED		FOR FOOD	FOR REDUCTION					
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
GILL NETS,												
WESTERN MAINE	673,330	-	-	-	6,710	6,269	36,620	-	-	-	-	2,870,589
DREDGES, SCALLOP:												
EASTERN MAINE	-	-	-	-	-	-	-	14,650	-	-	-	14,650
CENTRAL MAINE	-	-	-	-	-	-	-	80,692	-	-	-	80,692
NORTHERN EDGE OF GEORGES	-	-	-	-	-	-	-	1,403,822	-	-	-	1,403,822
CENTRAL AND SOUTHEAST GEORGES	-	-	-	-	-	-	-	376,123	-	-	-	376,123
TOTAL	-	-	-	-	-	-	-	1,875,287	-	-	-	1,875,287
TOTAL (LANDED WEIGHT-ALL SPECIES)	3,517,474	132,659	10,736,899	232,300	70,992	41,367	2,120,091	1,875,287	55,358	9,055	-	108,694,541
TOTAL (2/ ROUND WEIGHT-ALL SPECIES)	3,974,745	165,824	11,095,517		85,191	2,161,458		1,875,287	55,358	9,055	-	111,065,206
MISCELLANEOUS GEAR, UNCLASSIFIED WATERS PRINCIPALLY OFF MAINE	-	-	27,300		-	1,652,236		-	33,641	24,005,137	5,228,847	183,575,437
GRAND TOTAL (2/ ROUND WEIGHT)	3,974,745	165,824	11,122,817		85,191	3,813,694		1,875,287	88,999	24,014,192	5,228,847	294,640,643

1/ EXCLUSIVE OF DUPLICATION.

2/ ALL SPECIES ARE LISTED AS ROUND WEIGHT EXCEPT UNIVALVE AND BIVALVE MOLLUSKS WHICH ARE REPORTED AS POUNDS OF MEATS. SEA SCALLOPS ARE LISTED AS WEIGHT OF EDIBLE MEAT. LANDED WEIGHT OF FINFISH WAS CONVERTED TO ROUND WEIGHT BY MULTIPLYING BY THE FOLLOWING FACTORS: COD, DRAWN 1.17; CUSK, DRAWN 1.13; HADDOCK, DRAWN 1.14; WHITE HAKE, DRESSED 1.34; HALIBUT, DRAWN 1.15; POLLOCK, DRAWN 1.13; TUNA, DRESSED 1.25; WHITING, DRESSED 1.66; AND WOLFFISH, DRAWN 1.20.

NOTE:--OTTER TRAWLS ARE CLASSIFIED ACCORDING TO SIZE OF THE CRAFT. "SMALL" OTTER TRAWL CRAFT ARE THOSE 50 GROSS TONS CAPACITY AND UNDER; "MEDIUM", 51 GROSS TONS TO 150 GROSS TONS; AND "LARGE", 151 GROSS TONS OR GREATER. DAYS ABSENT IS THE MEASURE OF TIME, TO THE NEAREST COMPLETE DAY, THAT A VESSEL IS AWAY FROM PORT DURING A FISHING TRIP. WHEN A CRAFT OPERATES IN TWO OR MORE SUBAREAS DURING A VOYAGE, A FRACTIONAL PART (IN TENTHS) OF THE TRIP IS ALLOTED TO THE SUBAREA ON THE BASIS OF THE CATCH IN EACH SUBAREA. DAYS FISHED IS THE TIME ACTUAL FISHING OPERATIONS WERE CARRIED ON, EXPRESSED TO THE NEAREST TENTH OF A DAY. TO OBTAIN FISHING TIME IN HOURS, MULTIPLY THE NUMBER OF DAYS FISHED BY 24.

LANDINGS AT MASSACHUSETTS PORTS

Detailed statistics are collected and published monthly and annually on landings at Boston, Gloucester, New Bedford, and other Massachusetts ports. Additional detailed tabulations are prepared for the use of Bureau and State scientists and the International Commission for the Northwest Atlantic Fisheries. The data represent 97 percent of the total Massachusetts catch.

A summary of 1960 data on Massachusetts landings by ports and by gear and area of capture is contained in the following tables. The quantities shown represent the actual weights of the landings, therefore, they are not directly comparable with the catch figures shown in other tables in this Digest. Prior to 1959, information covering landings at individual ports by months was published in Statistical Digests. Since 1959, these data have been omitted from the reports.

Landings by fishing craft of all sizes at Boston, Gloucester, New Bedford, and certain other Massachusetts ports in 1960 amounted to 444 million pounds valued at nearly $32 million. Compared with 1959 (501 million pounds valued at $37 million) landings declined 11 percent in volume and 14 percent in value. During 1960, receipts at Gloucester accounted for 43 percent of the total poundage and 20 percent of the total value. Boston was second both in poundage (25 percent) and value (30 percent). New Bedford ranked third in volume with 19 percent but first in value (41 percent). Landings at other Massachusetts ports made up the remaining 13 percent in quantity and 9 percent in value.

At Boston, landings amounted to 110 million pounds--the smallest since 1922. Average ex-vessel prices paid for major species were generally lower than in the previous year. Fewer trips were landed at Boston than in 1959; but the average catch per trip was larger. Haddock was the principal species taken by the Boston fleet, and the amount landed was 4 million pounds above that of 1959. The catch of large haddock, with only few interruptions, has been decreasing steadily since 1938. However, scrod haddock fishing was very good in 1960 and accounted for the increased haddock landings. Bureau biologists attributed the heavy landings of scrod haddock in 1960 to good spawning and survival of the 1958 year class.

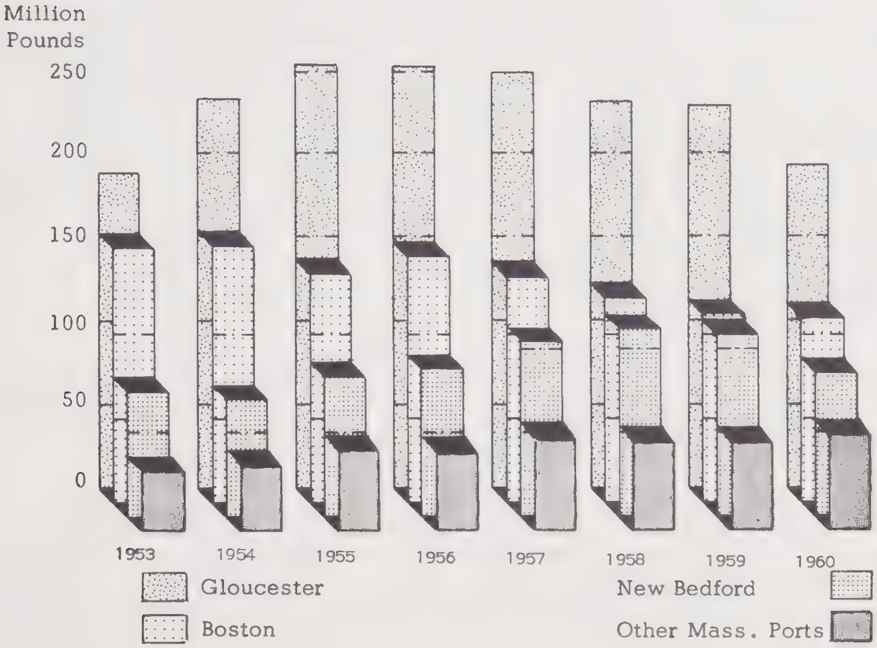
Gloucester landings were greater than at any other Massachusetts port but below those of 1959 and the lowest since 1953. The otter trawl industrial fishery had been important to Gloucester during the past several years. However, landings were curtailed by economic factors in 1960. Catches were down 25 million pounds. Because of the limited activity in the industrial fish industry, many vessels shifted to other fisheries. This resulted in an increase in landings of ocean perch, whiting, and other food fish.

Landings at New Bedford, following the trend set at Boston and Gloucester, were less than in 1959. As in Gloucester, the otter trawl fishery for industrial species was at the point of collapse. Landings were down 67 percent. However, sea scallops were landed in record volume and catches of flounders were exceptionally good. The predominance of these high-priced items at New Bedford, allowed the city to lead all New England ports in ex-vessel value of fishery products and to become the second ranking port in the nation on the basis of value.

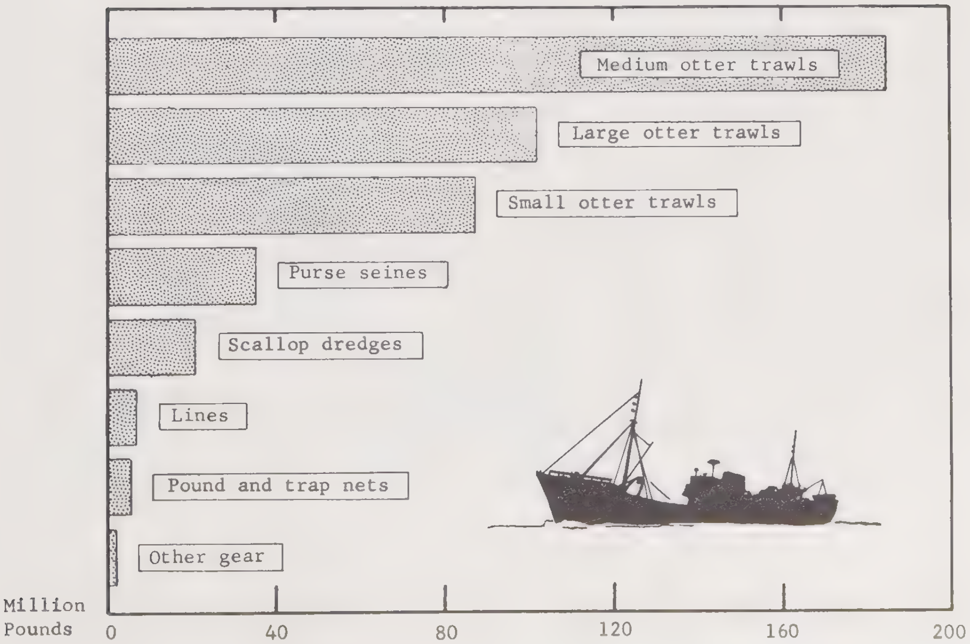
During 1960, fishing craft operating otter trawls captured 84 percent of the 444 million pounds of fish and shellfish landed at Boston, Gloucester, New Bedford, and other Massachusetts ports. Purse seines accounted for 8 percent of the total while scallop dredges took 5 percent. The remaining poundage was taken on lines, in pound and trap nets, by harpoons, or with gill nets. Fishing grounds off New England yielded 365 million pounds or 82 percent of the entire landings. About 17 percent was taken on grounds off Nova Scotia, while the remaining 1 percent came from the Gulf of St. Lawrence, the Grand Banks, and from areas off the Middle Atlantic States.

NEW ENGLAND FISHERIES

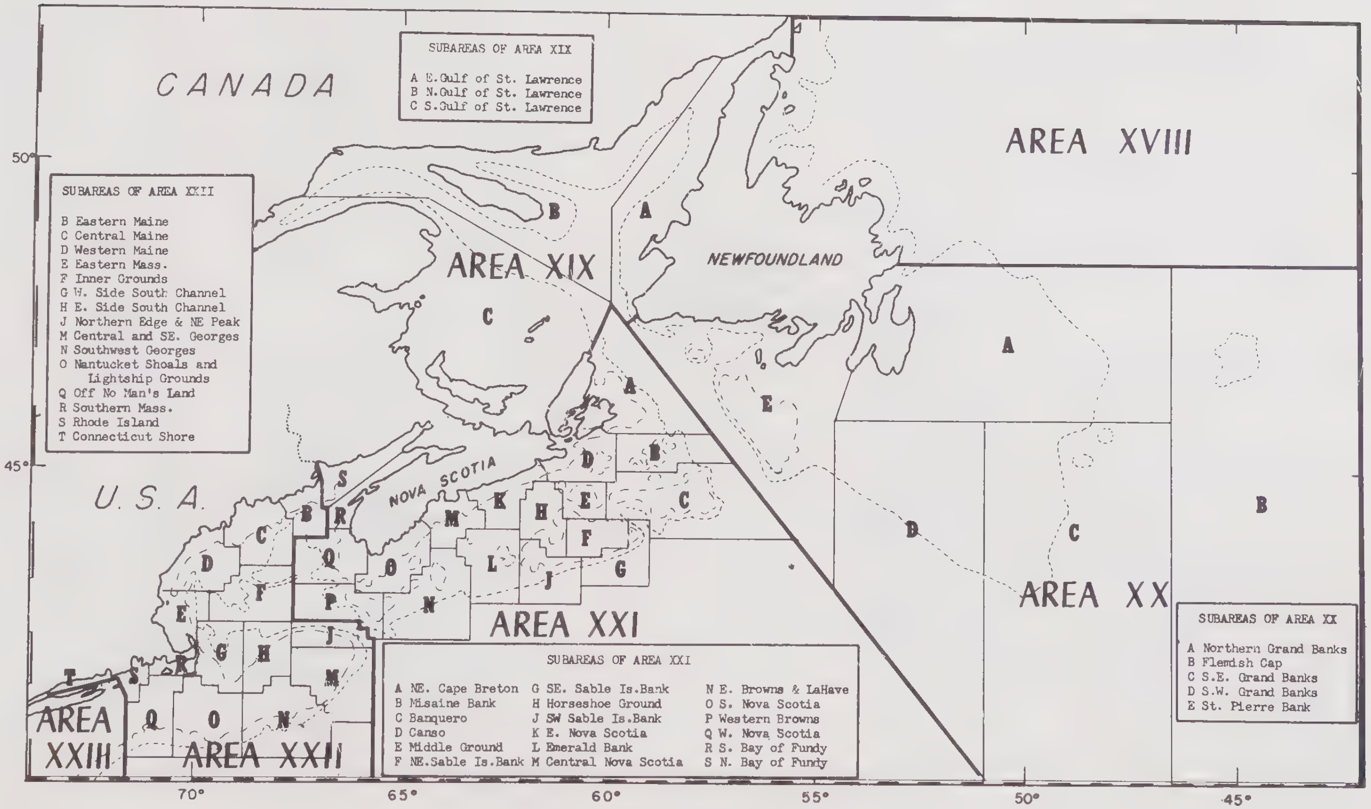
LANDINGS AT CERTAIN MASSACHUSETTS PORTS, 1953 - 1960



MASSACHUSETTS LANDINGS: CATCH BY GEAR, 1960



There is shown on the following chart the statistical areas and subareas used in reporting the catch landed at certain Massachusetts ports.


CANADA
U. S. A.
NEWFOUNDLAND
NOVA SCOTIA
AREA XVIII
AREA XIX
AREA XX
AREA XXI
AREA XXII
AREA XXIII
SUBAREAS OF AREA XIX
A E.Gulf of St. Lawrence
B N.Gulf of St. Lawrence
C S.Gulf of St. Lawrence
SUBAREAS OF AREA XXII
B Eastern Maine
C Central Maine
D Western Maine
E Eastern Mass.
F Inner Grounds
G W. Side South Channel
H E. Side South Channel
J Northern Edge & NE Peak
M Central and SE. Georges
N Southwest Georges
O Nantucket Shoals and Lightship Grounds
Q Off No Man's Land
R Southern Mass.
S Rhode Island
T Connecticut Shore
SUBAREAS OF AREA XXI
A NE. Cape Breton
B Misaine Bank
C Banquero
D Canso
E Middle Ground
F NE.Sable Is.Bank
G SE. Sable Is.Bank
H Horseshoe Ground
J SW Sable Is.Bank
K E. Nova Scotia
L Emerald Bank
M Central Nova Scotia
N E. Browns & LaHave
O S. Nova Scotia
P Western Browns
Q W. Nova Scotia
R S. Bay of Fundy
S N. Bay of Fundy
SUBAREAS OF AREA XX
A Northern Grand Banks
B Flemish Cap
C S.E. Grand Banks
D S.W. Grand Banks
E St. Pierre Bank
50°
45°
70°
65°
60°
55°
50°
45°

LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF LANDINGS, 1960

SPECIES	BOSTON			GLOUCESTER			NEW BEDFORD		
	POUNDS	VALUE	AV. PRICE PER POUND	POUNDS	VALUE	AV. PRICE PER POUND	POUNDS	VALUE	AV. PRICE PER POUND
COD, DRAWN:									
LARGE	4,774,520	$354,341	7.42¢	1,540,381	$110,187	7.15¢	1,046,315	$82,419	7.88¢
MARKET	8,077,766	591,836	7.33	1,481,869	99,684	6.73	3,263,866	288,699	8.84
SCROD	2,695,485	193,773	7.19	177,196	9,827	5.54	41,135	2,527	6.14
CUSK, DRAWN	849,060	55,368	6.52	319,278	15,121	4.74	1,050	25	2.38
FLOUNDERS, ROUND:									
GRAY SOLE	396,124	72,785	18.37	750,636	101,997	13.59	855,740	94,366	11.03
LEMON SOLE	432,000	71,997	16.66	49,386	5,984	12.12	2,102,885	449,919	21.40
YELLOWTAIL	660,135	54,234	8.22	127,850	8,556	6.69	23,666,376	2,278,355	9.63
BLACKBACK	750,030	113,399	15.12	122,398	9,317	7.61	7,707,547	983,026	12.75
DAB	491,535	48,363	9.84	665,030	41,900	6.30	855,995	102,871	12.02
FLUKE	625	118	18.88	155	10	6.45	4,509,705	901,548	19.99
HADDOCK, DRAWN:									
LARGE	34,777,274	3,626,164	10.43	6,789,908	653,955	9.63	4,624,475	434,770	9.40
SCROD	41,917,576	3,407,464	8.13	5,317,471	377,941	7.11	4,570,165	363,116	7.94
HAKE:									
RED, ROUND	-	-	-	236,300	4,545	1.92	-	-	-
WHITE, DRESSED:									
LARGE	1,065,035	94,354	8.86	509,389	35,508	6.97	1,575	96	6.10
SMALL	5,775	359	6.22	318,950	14,664	4.60	4,780	175	3.66
HALIBUT, DRAWN	69,548	20,553	29.55	64,316	17,825	27.71	6,805	1,333	19.59
MACKEREL, ROUND	2,590	490	18.92	307,432	48,501	15.78	-	-	-
MENHADEN, ROUND	-	-	-	18,005,654	173,390	0.96	-	-	-
OCEAN PERCH, ROUND	1,481,295	69,813	4.71	61,672,733	2,338,932	3.79	-	-	-
POLLOCK, DRAWN	9,606,260	414,745	4.32	6,041,956	205,917	3.41	45,370	1,870	4.12
SCUP OR PORGY, ROUND	-	-	-	-	-	-	138,900	7,456	5.37
SWORDFISH, DRESSED	-	-	-	-	-	-	463,191	227,140	49.04
TILEFISH, DRAWN	-	-	-	375	22	5.87	1,073,440	63,740	5.94
WHITING:									
DRESSED	733,820	35,363	4.82	55,015	2,323	4.22	-	-	-
ROUND	20,315	858	4.22	63,056,884	1,419,796	2.25	1,300	26	2.00
WOLFFISH, DRAWN	420,510	31,007	7.37	107,020	4,955	4.63	21,615	1,401	6.48
SCALLOPS, SEA (MEATS)	1,090,127	365,462	33.52	60,840	21,490	35.32	19,352,572	6,748,357	34.87
UNCLASSIFIED:									
FOR FOOD	66,942	4,297	6.42	8,123,607	469,370	5.78	266,508	57,976	21.75
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	16,504,260	138,277	0.84	10,497,340	72,939	0.69
TOTAL, AS LANDED	110,384,347	9,627,143	8.72	192,406,289	6,329,994	3.29	85,118,650	13,164,150	15.46
TOTAL 1959, AS LANDED	113,257,023	11,250,520	9.93	228,722,506	7,117,936	3.11	107,960,784	15,745,665	14.58

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF LANDINGS, 1960 - Continued

SPECIES	OTHER MASSACHUSETTS PORTS			TOTAL					
				1960			1959		
	POUNDS	VALUE	AV. PRICE PER POUND	POUNDS	VALUE	AV. PRICE PER POUND	POUNDS	VALUE	AV. PRICE PER POUND
COD, DRAWN:									
LARGE	1,302,872	$108,029	8.29¢	8,664,088	$654,976	7.56¢	9,560,320	$808,794	8.46¢
MARKET	1,698,091	132,135	7.78	14,521,592	1,112,354	7.66	16,832,068	1,396,387	8.30
SCROD	131,053	7,540	5.75	3,044,869	213,667	7.02	4,269,050	321,812	7.54
CUSK, DRAWN	20,909	471	2.25	1,190,297	70,985	5.96	1,454,693	88,005	6.05
FLOUNDERS, ROUND:									
GRAY SOLE	264,675	36,637	13.84	2,267,175	305,785	13.49	2,101,010	297,508	14.16
LEMON SOLE	88,466	16,517	18.67	2,672,737	544,417	20.37	1,826,770	347,721	19.03
YELLOWTAIL	3,230,709	390,791	12.10	27,685,070	2,731,936	9.87	25,913,438	2,884,651	11.13
BLACKBACK	3,086,591	383,544	12.43	11,666,566	1,489,286	12.76	10,179,718	1,278,547	12.56
DAB	304,050	22,861	7.52	2,316,610	215,995	9.32	2,253,296	247,970	11.00
FLUKE	1,072,094	180,739	16.86	5,582,579	1,082,415	19.39	4,521,408	1,004,108	22.21
HADDOCK, DRAWN:									
LARGE	1,603,188	162,164	10.12	47,794,845	4,877,053	10.20	50,512,701	5,943,464	11.77
SCROD	956,577	64,367	6.73	52,761,789	4,212,888	7.98	45,159,447	4,678,823	10.36
HAKE:									
RED, ROUND	7,240,525	74,735	1.03	7,476,825	79,280	1.06	3,898,719	47,834	1.23
WHITE, DRESSED:									
LARGE	20,758	950	4.58	1,596,757	130,908	8.20	2,003,349	153,689	7.67
SMALL	60,878	3,371	5.54	390,383	18,569	4.76	472,829	20,871	4.41
HALIBUT, DRAWN	15,824	6,701	42.35	156,493	46,412	29.66	175,017	49,834	28.47
MACKEREL, ROUND	1,227,494	174,122	14.18	1,537,516	223,113	14.51	2,585,339	305,366	11.81
MENHADEN, ROUND	25,350	294	1.16	18,031,004	173,684	0.96	36,574,880	504,469	1.38
OCEAN PERCH, ROUND	20,650	834	4.04	63,174,678	2,409,579	3.81	61,477,811	2,549,288	4.15
POLLOCK, DRAWN	502,495	16,512	3.29	16,196,081	639,044	3.94	18,426,164	867,503	4.71
SCUP OR PORGY, ROUND	1,035,214	20,324	1.96	1,174,114	27,780	2.37	1,332,275	61,009	4.58
SWORDFISH, DRESSED	16,120	7,625	47.28	479,311	234,765	48.98	850,664	273,758	32.18
TILEFISH, DRAWN	20,995	1,044	4.97	1,094,810	64,806	5.92	360,935	57,648	15.97
WHITING:									
DRESSED	3,093,835	131,827	4.26	3,882,670	169,513	4.36	3,521,757	147,430	4.19
ROUND	17,773,299	359,659	2.02	80,851,798	1,780,339	2.20	77,243,214	1,533,182	1.98
WOLFFISH, DRAWN	62,579	2,770	4.43	611,724	40,133	6.56	854,002	58,886	6.90
SCALLOPS, SEA (MEATS)	68,654	24,289	35.38	20,572,193	7,159,598	34.80	19,051,431	9,214,709	48.37
UNCLASSIFIED:									
FOR FOOD	3,489,060	276,192	7.92	11,946,117	807,835	6.76	15,891,919	976,898	6.15
BAIT, REDUCTION, AND ANIMAL FOOD	7,601,542	108,430	1.42	34,603,142	319,646	0.92	81,634,766	725,133	0.89
TOTAL, AS LANDED	56,034,547	2,715,474	4.85	443,943,833	31,836,761	7.17	-	-	-
TOTAL 1959, AS LANDED	50,998,677	2,731,176	5.36	-	-	-	500,938,990	36,845,297	7.36

NOTE:--THE LANDINGS SHOWN ABOVE ACCOUNTED FOR 97 PERCENT OF THE 1960 MASSACHUSETTS CATCH. DATA ON THE LANDINGS BY MONTHS WERE RELEASED CURRENTLY IN THE BUREAU'S CURRENT FISHERY STATISTICS SERIES OF BULLETINS. TOTAL LANDINGS IN MASSACHUSETTS IN 1960, BASED ON WEIGHT OF MEATS FOR UNIVALVE AND BIVALVE MOLLUSKS, AND ROUND WEIGHT FOR ALL OTHER SPECIES, TOTALED 480,421,300 POUNDS WITH A VALUE OF $35,947,416 TO THE FISHERMEN. THE GRADES AND SIZES GIVEN FOR CERTAIN SPECIES IN THIS REPORT ARE THOSE RECOGNIZED IN THE TRADE. "LARGE" COD ARE CLASSIFIED AS THOSE WEIGHING OVER 10 POUNDS; "MARKET" COD, 2-1/2 TO 10 POUNDS; AND "SCROD" COD, 1-1/2 TO 2-1/2 POUNDS. "LARGE" HADDOCK ARE THOSE WEIGHING OVER 2-1/2 POUNDS, AND "SCROD" HADDOCK, 1-1/2 TO 2-1/2 POUNDS. "LARGE" HAKE ARE THOSE WEIGHING OVER 6 POUNDS, AND "SMALL" HAKE, UNDER 6 POUNDS. THE FOLLOWING TERMS INDICATE THE CONDITION IN WHICH LANDED: "ROUND", AS CAUGHT; "DRAWN", EVISCERATED; AND "DRESSED", EVISCERATED AND HEADED. THE CATEGORY "OTHER MASSACHUSETTS PORTS" INCLUDES PLYMOUTH, PROVINCETOWN, AND OTHER CAPE COD PORTS.

LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF FISHERY - BY GEAR AND SUBAREA, 1960

GEAR AND SUBAREA	CRAFT FISHING	TRIPS	DAYS ABSENT	DAYS FISHED	COD, DRAWN			CUSK, DRAWN	FLOUNDERS, ROUND		
					LARGE	MARKET	SCROD		GRAY SOLE	LEMON SOLE	YELLOW-TAIL
	NUMBER	NUMBER	NUMBER	NUMBER	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
LINE TRAWLS:											
MIDDLE GROUND	2	2.0	2	0.2	-	-	-	-	-	-	-
WESTERN MAINE	6	50.0	79	31.6	10,590	22,175	2,570	66,195	-	-	-
EASTERN MASSACHUSETTS	28	511.0	525	254.7	184,598	258,613	34,105	181,600	70	120	335
WEST SIDE SOUTH CHANNEL	31	1,100.0	1,147	568.4	567,741	596,748	7,565	100,435	-	3,029	70
SOUTHERN MASSACHUSETTS	1	1.0	1	0.5	-	1,315	-	-	-	-	-
TOTAL	1/50	1,664.0	1,754	855.4	762,929	878,851	44,240	348,230	70	3,149	405
HAND LINES:											
EASTERN MASSACHUSETTS	107	1,775.0	1,775	608.1	461,993	127,598	30	1,020	-	-	-
WEST SIDE SOUTH CHANNEL	25	660.0	660	330.0	136,333	149,449	140	220	-	542	-
TOTAL	1/132	2,435.0	2,435	938.1	598,326	277,047	170	1,240	-	542	-
HARPOONS:											
EASTERN MASSACHUSETTS	29	118.0	118	31.4	-	-	-	-	-	-	-
NORTHERN EDGE OF GEORGES	1	1.0	15	6.0	-	-	-	-	-	-	-
NANTUCKET SHOALS AND LIGHTSHIP	17	66.0	510	293.8	-	-	-	-	-	-	-
OFF NO MAN'S LAND	19	37.0	150	86.8	-	-	-	-	-	-	-
SOUTHERN MASSACHUSETTS	3	4.0	6	2.5	-	-	-	-	-	-	-
TOTAL	1/53	226.0	799	420.5	-	-	-	-	-	-	-
OTTER TRAWLS, LARGE:											
S. E. GRAND BANKS	3	8.2	158	36.8	-	-	-	-	181	-	-
S. W. GRAND BANKS	2	3.7	65	13.9	-	-	-	-	90	-	-
ST. PIERRE BANK	5	7.0	118	25.0	-	-	-	-	-	-	-
E. GULF ST. LAWRENCE	3	1.3	17	5.2	-	-	-	-	-	-	-
N. GULF ST. LAWRENCE	1	0.1	2	0.2	67	62	-	5	202	-	-
S. GULF ST. LAWRENCE	1	0.1	2	0.5	-	-	-	-	-	-	-
N. E. CAPE BRETON	16	32.6	409	110.2	1,763	3,456	1,180	225	2,557	-	-
MISAINE BANK	8	10.7	127	37.0	-	-	-	-	-	-	-
BANQUEREAU	12	17.9	207	63.0	-	46	-	-	-	190	-
CANSO	13	17.9	234	74.4	8,031	30,473	20,590	1,371	126,181	500	-
MIDDLE GROUND	4	2.7	40	8.5	303	437	-	117	1,032	-	-
HORSESHOE GROUND	10	32.7	412	107.8	9,586	23,845	17,900	3,794	34,677	-	2,500
S. W. SABLE ISLAND BANK	2	0.3	3	0.9	900	2,430	2,250	-	-	-	-
EASTERN NOVA SCOTIA	10	11.6	158	41.4	886	2,814	-	583	5,856	-	-
EMERALD BANK	6	4.4	47	14.6	266	1,440	190	884	223	-	-
CENTRAL NOVA SCOTIA	13	19.2	256	63.9	1,875	1,344	-	1,311	2,718	-	-
E. BROWNS AND LA HAVE	32	39.3	378	248.0	199,393	233,859	66,595	36,660	1,884	2,640	5,500
SOUTHERN NOVA SCOTIA	25	14.2	152	60.0	15,274	15,756	4,380	3,502	4,012	-	-
WESTERN BROWNS	27	66.9	637	427.4	549,198	567,897	183,140	29,795	1,500	5,325	7,460
WESTERN NOVA SCOTIA	1	0.2	1	1.0	182	245	-	175	350	-	-
SOUTHERN BAY OF FUNDY	3	1.2	11	11.0	1,100	1,400	-	-	-	-	-
NORTHERN BAY OF FUNDY	3	2.8	27	12.6	5,980	7,500	1,000	700	350	-	-
EASTERN MAINE	5	5.5	41	26.2	7,689	11,370	1,735	2,120	1,392	-	-
CENTRAL MAINE	2	2.8	15	6.4	278	680	-	925	3,925	-	-
WESTERN MAINE	1	0.6	4	2.2	1,500	900	300	-	-	-	-
EASTERN MASSACHUSETTS	4	1.7	6	4.2	344	218	7	140	50	-	-
INNER GROUNDS	9	10.0	72	44.4	6,524	4,017	450	7,034	6,817	-	350
WEST SIDE SOUTH CHANNEL	25	54.1	357	250.2	64,159	129,168	24,241	10,460	18,130	4,753	74,640
EAST SIDE SOUTH CHANNEL	33	82.5	544	374.9	69,365	123,709	21,365	17,934	19,239	9,145	64,275

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF FISHERY - BY GEAR AND SUBAREA, 1960 - Continued

GEAR AND SUBAREA	CRAFT FISHING	TRIPS	DAYS ABSENT	DAYS FISHED	COD, DRAWN			CUSK, DRAWN	FLOUNDERS, ROUND		
					LARGE	MARKET	SCROD		GRAY SOLE	LEMON SOLE	YELLOW-TAIL
	NUMBER	NUMBER	NUMBER	NUMBER	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
OTTER TRAWLS, LARGE - CONTINUED:											
NORTHERN EDGE OF GEORGES	28	355.3	3,195	2,233.1	1,603,150	3,676,470	1,701,200	131,500	4,670	105,330	86,210
CENTRAL AND S.E. GEORGES	25	93.8	885	634.6	520,627	578,355	153,240	12,200	3,650	103,800	75,475
SOUTHWEST GEORGES	21	17.8	168	115.3	28,134	71,513	13,407	1,110	1,587	17,642	10,895
NANTUCKET SHOALS AND LIGHTSHIP	4	3.9	12	8.2	250	1,915	100	400	-	470	100
TOTAL	1/41	923.0'	8,760'	5,063.0'	3,096,824'	5,491,319'	2,213,270'	262,945'	241,273	249,795'	327,405'
OTTER TRAWLS, MEDIUM:											
ST. PIERRE BANK	1	0.5	11	0.5	-	-	-	-	-	-	-
N.E. CAPE BRETON	14	23.4	283	73.1	288	1,936	-	62	375	-	-
MISAINE BANK	8	8.5	101	25.8	-	2,205	-	105	125	-	-
BANQUEREAU	14	23.3	256	68.0	333	333	-	92	568	-	-
CANSO	8	5.1	53	17.5	2,200	5,888	-	-	65,750	-	-
MIDDLE GROUND	3	1.6	14	4.2	-	225	-	-	225	-	-
HORSESHOE GROUND	10	9.7	96	22.1	291	390	-	885	80	-	-
EASTERN NOVA SCOTIA	12	12.3	96	21.5	653	2,410	1,500	671	625	-	-
EMERALD BANK	6	4.3	29	7.6	216	116	-	46	-	-	-
CENTRAL NOVA SCOTIA	17	37.4	332	85.6	1,279	2,923	25	2,877	121	-	-
E. BROWNS AND LA HAVE	34	35.6	285	160.4	37,095	88,354	35,180	29,060	2,964	310	32
SOUTHERN NOVA SCOTIA	34	73.2	539	179.2	27,250	48,957	8,065	9,108	2,276	525	920
WESTERN BROWNS	38	62.8	510	306.4	172,843	241,021	45,187	31,259	4,248	2,615	12,546
WESTERN NOVA SCOTIA	4	2.0	17	9.0	-	633	-	589	-	-	-
SOUTHERN BAY OF FUNDY	15	12.0	107	62.5	23,103	48,056	4,462	4,701	8,186	-	-
NORTHERN BAY OF FUNDY	19	18.8	138	82.3	28,423	55,978	5,785	2,867	6,051	-	-
EASTERN MAINE	19	20.2	149	79.7	30,867	48,838	6,593	9,872	7,014	150	150
CENTRAL MAINE	3	1.4	8	3.1	170	341	-	598	1,236	-	-
WESTERN MAINE	31	330.1	579	328.5	113,649	132,560	18,947	51,618	134,083	-	3,790
EASTERN MASSACHUSETTS	50	906.3	1,149	674.4	173,662	221,776	44,815	20,792	37,203	215	64,135
INNER GROUNDS	47	80.4	510	255.7	20,791	32,596	2,708	43,267	40,075	775	1,050
W. SIDE SOUTH CHANNEL	118	1,076.8	4,522	2,869.6	780,230	2,088,066	143,702	138,384	265,803	239,970	884,903
E. SIDE SOUTH CHANNEL	134	982.5	4,590	2,882.1	408,736	727,790	59,046	161,199	296,182	477,265	1,280,670
NORTHERN EDGE OF GEORGES	55	109.3	860	587.6	268,573	404,639	129,198	2,547	24,890	329,195	68,525
CENTRAL AND S.E. GEORGES	70	336.5	2,398	1,551.8	431,316	535,726	21,900	1,890	45,500	682,454	4,475,880
SOUTHWEST GEORGES	73	112.3	754	494.8	39,592	267,336	8,213	4,570	27,666	139,493	1,125,018
NANTUCKET SHOALS AND LIGHTSHIP	86	584.4	3,296	2,089.3	167,875	692,770	21,222	3,570	244,806	189,750	4,739,709
OFF NO MAN'S LAND	50	280.0	1,104	703.0	1,340	9,603	32	-	4,375	100	1,369,728
SOUTHERN MASSACHUSETTS	4	35.0	65	35.7	515	785	145	240	835	900	31,500
RHODE ISLAND SHORE	3	3.0	9	5.2	-	-	-	-	-	-	21,375
OFF LONG ISLAND	30	56.3	376	239.6	65	625	-	-	6,335	-	19,060
TOTAL	1/158	5,245.0	23,236	13,925.8'	2,731,355'	5,662,876'	556,725'	520,869'	1,227,597'	2,063,717'	14,098,991'
OTTER TRAWLS, SMALL:											
EASTERN MAINE	1	0.8	5	1.0	159	975	300	285	225	-	-
CENTRAL MAINE	4	1.7	4	2.0	-	-	-	-	667	-	-
WESTERN MAINE	26	292.3	554	294.6	188,295	119,964	20,308	20,391	90,041	169	15,330
EASTERN MASSACHUSETTS	138	8,983.3	9,313	4,405.0	651,871	735,841	170,864	9,045	225,270	5,600	1,488,647
INNER GROUNDS	6	38.6	137	57.7	7,634	18,410	2,773	10,264	7,549	-	170
W. SIDE SOUTH CHANNEL	108	995.9	2,047	1,342.7	231,708	591,462	18,569	11,312	103,401	67,883	1,450,138
E. SIDE SOUTH CHANNEL	35	121.0	463	282.0	29,735	38,628	1,950	4,566	56,937	44,817	362,485
NORTHERN EDGE OF GEORGES	4	4.1	30	16.7	375	133	-	-	625	15,500	2,475
CENTRAL AND S.E. GEORGES	24	87.6	588	384.7	3,040	15,600	-	-	16,490	73,977	1,723,843
SOUTHWEST GEORGES	14	19.2	120	75.1	625	7,030	-	-	2,590	3,053	386,905
NANTUCKET SHOALS AND LIGHTSHIP	80	572.8	2,440	1,635.4	69,985	325,742	10,000	-	187,870	111,620	3,709,649

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF FISHERY - BY GEAR AND SUBAREA, 1960 - Continued

GEAR AND SUBAREA	CRAFT FISHING	TRIPS	DAYS ABSENT	DAYS FISHED	COD, DRAWN			CUSK, DRAWN	FLOUNDERS, ROUND		
					LARGE	MARKET	SCROD		GRAY SOLE	LEMON SOLE	YELLOW-TAIL
	NUMBER	NUMBER	NUMBER	NUMBER	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
OTTER TRAWLS, SMALL - CONTINUED:											
OFF NO MAN'S LAND	94	865.6	2,168	1,431.0	7,990	72,213	1,835	-	14,740	13,100	3,470,037
SOUTHERN MASSACHUSETTS	84	534.0	1,057	590.3	8,540	60,753	230	-	1,840	11,660	157,795
RHODE ISLAND SHORE	24	42.7	141	95.3	765	8,955	-	-	115	285	287,015
AREA XXII, UNCLASSIFIED	1	1.0	2	1.0	-	250	-	-	-	-	-
OFF LONG ISLAND	18	23.4	140	86.4	-	25	-	-	375	-	43,230
TOTAL	1/230	12,584.0	19,209	10,700.9	1,200,722	1,995,981	226,829	55,863	708,735	347,664	13,097,719
FLOATING TRAPS, EASTERN MASSACHUSETTS	10	679.0	679	679.0	-	3,234	-	-	-	-	-
SINK GILL NETS, EASTERN MASSACHUSETTS	36	1,221.0	1,223	1,219.5	271,988	212,034	3,635	1,150	-	-	25
DRIFT GILL NETS, EASTERN MASSACHUSETTS	9	47.0	48	38.4	-	-	-	-	-	-	-
PURSE SEINES, EASTERN MASSACHUSETTS	6	284.0	284	94.7	-	-	-	-	-	-	-
SCALLOP DREDGES:											
EASTERN MASSACHUSETTS	5	44.0	135	60.4	-	-	-	-	-	-	430
W. SIDE SOUTH CHANNEL	56	172.7	1,042	774.8	-	-	-	-	-	860	12,330
E. SIDE SOUTH CHANNEL	52	129.3	831	590.6	-	-	-	-	1,630	700	3,805
NORTHERN EDGE OF GEORGES	60	352.4	2,640	1,741.3	-	-	-	-	270	1,200	5,097
CENTRAL AND S.E. GEORGES	49	132.7	990	688.2	-	250	-	-	625	3,875	71,875
SOUTHWEST GEORGES	64	814.7	5,007	3,406.9	-	-	-	-	86,975	1,235	60,788
NANTUCKET SHOALS AND LIGHTSHIP	34	67.2	416	291.2	-	-	-	-	-	-	6,200
RHODE ISLAND SHORE	2	2.0	16	11.5	-	-	-	-	-	-	-
OFF LONG ISLAND	18	32.0	266	169.3	-	-	-	-	-	-	-
TOTAL	1/84	1,747.0	11,343	7,734.2	-	2/250	-	-	2/89,500	2/7,870	2/160,525
POUND NETS:											
EASTERN MASSACHUSETTS	10	1,112.0	1,112	1,112.0	1,873	-	-	-	-	-	-
W. SIDE SOUTH CHANNEL	6	110.0	110	110.0	-	-	-	-	-	-	-
OUTER MASSACHUSETTS	6	317.0	317	317.0	71	-	-	-	-	-	-
TOTAL	1/16	1,539.0	1,539	1,539.0	1,944	-	-	-	-	-	-
GRAND TOTAL	1/833	28,594.0	71,309	43,208.5	8,664,088	14,521,592	3,044,869	1,190,297	2,267,175	2,672,737	27,685,070

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF FISHERY - BY GEAR AND SUBAREA, 1960 - Continued

GEAR AND SUBAREA	FLOUNDERS, ROUND - CONTINUED			HADDOCK, DRAWN		HAKE			HALIBUT, DRAWN	MACKEREL, ROUND	MENHADEN, ROUND
						RED, ROUND	WHITE, DRESSED				
	BLACK-BACK	DAB	FLUKE	LARGE	SCROD		LARGE	SMALL			
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
LINE TRAWLS:											
MIDDLE GROUND	135	-	-	300	-	-	-	-	-	-	-
WESTERN MAINE	-	-	-	63,410	11,130	-	95,845	1,635	1,900	-	-
EASTERN MASSACHUSETTS	2,122	35	3,858	534,367	51,755	-	22,165	2,885	13,394	-	-
WEST SIDE SOUTH CHANNEL	1,383	-	-	1,026,372	26,445	-	27,622	2,724	13,309	-	-
TOTAL.	3,640	35	3,858	1,624,449	89,330	-	145,632	7,244	28,603	-	-
HAND LINES:											
EASTERN MASSACHUSETTS	4,295	195	1,605	3,356	-	-	30	-	119	235	-
WEST SIDE SOUTH CHANNEL	25	-	-	66,653	-	-	90	65	414	-	-
TOTAL.	4,320	195	1,605	70,009	-	-	120	65	533	235	-
OTTER TRAWLS, LARGE:											
S.E. GRAND BANKS.	-	64	-	-	-	-	-	-	587	-	-
S.W. GRAND BANKS.	-	32	-	-	-	-	-	-	595	-	-
ST. PIERRE BANK	-	-	-	-	-	-	-	-	2,038	-	-
N. GULF ST. LAWRENCE.	-	107	-	37	80	-	202	37	10	-	-
N.E. CAPE BRETON.	-	1,616	-	6,143	5,577	-	1,643	263	1,444	-	-
MISAINE BANK.	-	24	-	60	30	-	-	9	261	-	-
BANQUEREAU.	-	277	-	185	375	-	-	-	4,593	-	-
CANSO	-	12,514	-	33,138	43,946	-	1,252	-	1,445	-	-
MIDDLE GROUND	-	285	-	1,600	500	-	89	-	332	-	-
HORSESHOE GROUND.	-	23	-	46,278	66,181	-	5,317	964	5,270	-	-
S.W. SABLE ISLAND BANK.	-	-	-	4,030	950	-	-	-	-	-	-
EASTERN NOVA SCOTIA	-	592	-	2,140	2,233	-	499	24	2,537	-	-
EMERALD BANK.	-	-	-	5,404	4,440	-	1,507	-	1,212	-	-
CENTRAL NOVA SCOTIA	-	911	-	3,847	4,569	-	1,015	-	1,230	-	-
E. BROWNS AND LA HAVE	3,000	11,208	-	1,644,019	1,772,752	-	664	3	9,732	-	-
SOUTHERN NOVA SCOTIA.	-	1,970	-	263,494	238,276	-	1,609	150	809	-	-
WESTERN BROWNS.	5,491	25,250	-	2,740,940	2,539,705	-	1,700	-	5,158	-	-
WESTERN NOVA SCOTIA	-	140	-	613	490	-	788	245	-	-	-
SOUTHERN BAY OF FUNDY	-	-	-	22,550	11,530	-	-	-	-	-	-
NORTHERN BAY OF FUNDY	500	400	-	36,950	37,460	-	9,150	-	-	-	-
EASTERN MAINE	-	425	-	42,975	49,620	-	9,965	275	121	-	-
CENTRAL MAINE	100	535	-	1,062	760	-	10,287	2,930	200	-	-
EASTERN MASSACHUSETTS	-	30	-	9,450	871	-	207	-	-	-	-
INNER GROUNDS	700	4,812	-	167,335	48,110	-	18,036	-	116	-	-
WEST SIDE SOUTH CHANNEL	9,169	19,032	150	818,328	979,818	-	32,200	1,215	878	28	-
EAST SIDE SOUTH CHANNEL	10,833	34,718	-	1,316,822	751,785	-	55,997	2,729	3,018	67	-
NORTHERN EDGE OF GEORGES. . . .	94,177	21,475	250	8,927,185	16,674,323	-	185,590	245	12,322	-	-
CENTRAL AND S.E. GEORGES. . . .	103,000	17,800	-	2,821,880	3,307,210	-	13,485	-	4,119	-	-
SOUTHWEST GEORGES	12,725	3,925	125	551,570	475,000	-	2,163	36	743	-	-
NANTUCKET SHOALS AND LIGHTSHIP.	11,125	-	6,390	8,865	29,400	-	100	-	-	-	-
TOTAL.	250,820	158,165	6,915	19,476,900	27,045,991	-	353,465	9,125	58,770	95	-

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF FISHERY - BY GEAR AND SUBAREA, 1960 - Continued

GEAR AND SUBAREA	FLOUNDERS, ROUND - CONTINUED			HADDOCK, DRAWN		HAKE			HALIBUT, DRAWN	MACKEREL, ROUND	MENHADEN, ROUND
							WHITE, DRESSED				
	BLACK-BACK	DAB	FLUKE	LARGE	SCROD	RED, ROUND	LARGE	SMALL			
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
OTTER TRAWLS, MEDIUM:											
N.E. CAPE BRETON	-	2,075	-	58	620	-	10	-	1,186	-	-
MISAINE BANK	-	435	-	329	-	-	-	-	611	-	-
BANQUEREAU	-	126	-	156	149	-	7	-	2,675	-	-
CANSO	-	4,700	-	37	38	-	-	-	240	-	-
MIDDLE GROUND	-	189	-	-	90	-	-	-	114	-	-
HORSESHOE GROUND	-	113	-	1,847	1,050	-	-	713	23	-	-
EASTERN NOVA SCOTIA	-	2,725	-	779	1,077	-	70	1,253	15	-	-
EMERALD BANK	-	-	-	15	43	-	8	-	-	-	-
CENTRAL NOVA SCOTIA	-	395	-	4,885	6,440	-	935	1,373	1,062	-	-
E. BROWNS AND LA HAVE	1,189	12,375	-	732,655	870,466	-	2,146	350	9,926	-	-
SOUTHERN NOVA SCOTIA	650	5,032	-	365,210	353,886	-	2,354	1,295	2,278	-	-
WESTERN BROWNS	2,520	21,213	-	1,644,399	1,664,895	-	7,097	1,205	11,453	-	-
WESTERN NOVA SCOTIA	-	225	-	4,144	925	-	-	466	-	-	-
SOUTHERN BAY OF FUNDY	1,825	4,864	-	188,017	149,662	-	26,234	1,456	95	-	-
NORTHERN BAY OF FUNDY	1,613	2,529	-	263,900	223,537	-	40,910	1,918	27	-	-
EASTERN MAINE	1,387	6,284	-	197,773	171,202	-	30,285	3,470	185	-	-
CENTRAL MAINE	-	531	-	1,062	949	-	1,475	327	-	-	-
WESTERN MAINE	1,573	57,079	-	539,764	410,472	92,857	60,540	76,247	2,266	-	-
EASTERN MASSACHUSETTS	62,239	110,592	65	374,903	515,202	352,598	35,943	38,722	1,236	2,433	-
INNER GROUNDS	855	26,490	-	526,686	197,554	1,000	39,289	11,709	1,046	-	-
W. SIDE SOUTH CHANNEL	1,275,681	202,220	3,200	7,577,090	8,790,570	500,025	315,666	33,049	12,957	905	-
E. SIDE SOUTH CHANNEL	387,214	700,789	755	6,993,050	3,695,005	146,550	324,626	45,229	9,138	140	-
NORTHERN EDGE OF GEORGES	364,218	97,231	1,625	1,051,674	2,287,539	-	10,750	125	1,177	-	-
CENTRAL AND S.E. GEORGES	586,347	71,208	3,975	2,034,376	1,972,796	-	2,100	625	2,335	-	-
SOUTHWEST GEORGES	112,242	41,265	3,025	1,587,096	904,411	-	3,565	2,068	1,418	-	-
NANTUCKET SHOALS AND LIGHTSHIP	1,354,564	28,610	1,579,665	666,801	1,626,044	-	4,975	6,130	1,345	-	-
OFF NO MAN'S LAND	128,795	500	931,505	2,545	488	1,497,450	150	25	-	-	-
SOUTHERN MASSACHUSETTS	29,710	3,310	71,613	2,460	4,355	-	-	925	-	-	-
RHODE ISLAND SHORE	80	-	50	-	-	-	-	-	-	-	-
OFF LONG ISLAND	5,200	-	807,920	-	125	-	-	3,885	-	-	-
TOTAL	4,317,902	1,403,105	3,403,398	24,761,711	23,849,590	2,590,480	909,135	232,565	62,808	3,478	-
OTTER TRAWLS, SMALL:											
EASTERN MAINE	-	120	-	1,680	3,390	-	150	60	-	-	-
CENTRAL MAINE	-	100	-	60	65	-	1,445	1,132	-	-	-
WESTERN MAINE	10,804	74,668	-	196,961	207,730	16,625	61,389	57,464	1,197	-	-
EASTERN MASSACHUSETTS	1,345,840	410,681	9,431	533,264	644,200	1,752,805	49,353	66,607	2,008	3,187	-
INNER GROUNDS	688	2,799	-	98,685	45,898	1,500	3,727	3,106	263	-	-
W. SIDE SOUTH CHANNEL	1,861,152	32,811	73,844	429,162	517,530	781,400	3,674	5,819	1,477	620	-
E. SIDE SOUTH CHANNEL	60,928	193,856	2,320	189,709	77,955	-	8,072	5,651	453	-	-
NORTHERN EDGE OF GEORGES	15,255	18,295	-	3,900	3,410	-	-	5	-	-	-
CENTRAL AND S.E. GEORGES	50,715	4,815	475	108,085	64,895	-	-	-	160	-	-
SOUTHWEST GEORGES	2,860	325	-	22,900	18,405	-	-	-	-	-	-
NANTUCKET SHOALS AND LIGHTSHIP	1,625,829	7,115	570,395	118,558	172,135	-	-	420	105	-	-
OFF NO MAN'S LAND	1,085,515	7,115	455,305	6,232	4,520	2,264,090	25	610	-	-	-
SOUTHERN MASSACHUSETTS	811,477	1,500	747,949	6,860	9,345	-	65	430	38	-	-

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF FISHERY - BY GEAR AND SUBAREA, 1960 - Continued

GEAR AND SUBAREA	FLOUNDERS, ROUND - CONTINUED			HADDOCK, DRAWN		HAKE			HALIBUT, DRAWN	MACKEREL, ROUND	MENHADEN, ROUND
	BLACK-BACK	DAB	FLUKE	LARGE	SCROD	RED, ROUND	WHITE, DRESSED				
							LARGE	SMALL			
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
OTTER TRAWLS, SMALL - CONTINUED:											
RHODE ISLAND SHORE	61,355	-	24,494	5,835	6,795	-	-	50	-	-	-
AREA XXII, UNCLASSIFIED	5,265	-	-	-	-	-	-	-	-	-	-
OFF LONG ISLAND	4,215	-	228,905	-	-	-	-	-	-	-	-
TOTAL	6,941,898	754,200	2,113,118	1,721,891	1,776,273	4,816,420	127,900	141,354	5,701	2/3,807	-
FLOATING TRAPS, EASTERN MASSACHUSETTS	38	-	-	-	-	-	-	-	-	305,769	4,520
SINK GILL NETS, EASTERN MASSACHUSETTS	139,805	160	-	133,785	-	-	57,865	10	78	-	-
DRIFT GILL NETS, EASTERN MASSACHUSETTS	-	-	-	-	-	-	-	-	-	10,516	-
PURSE SEINES, EASTERN MASSACHUSETTS	-	-	-	-	-	-	-	-	-	275	18,001,134
SCALLOP DREDGES:											
EASTERN MASSACHUSETTS	715	-	-	-	-	-	-	-	-	-	-
W. SIDE SOUTH CHANNEL	555	-	-	-	70	-	-	-	-	-	-
E. SIDE SOUTH CHANNEL	135	-	185	100	400	-	-	-	-	-	-
NORTHERN EDGE OF GEORGES	2,545	-	-	-	-	-	-	-	-	-	-
CENTRAL AND S.E. GEORGES	750	750	145	6,000	-	-	-	-	-	-	-
SOUTHWEST GEORGES	2,665	-	2,185	-	-	-	-	-	-	-	-
NANTUCKET SHOALS AND LIGHTSHIP	235	-	830	-	135	-	-	-	-	-	-
TOTAL	2/7,600	2/750	2/3,345	2/6,100	2/605	-	-	-	-	-	-
POUND NETS:											
EASTERN MASSACHUSETTS	210	-	204	-	-	69,925	2,640	20	-	1,004,832	-
W. SIDE SOUTH CHANNEL	-	-	30,028	-	-	-	-	-	-	22,725	500
SOUTHERN MASSACHUSETTS	333	-	20,108	-	-	-	-	-	-	185,784	24,850
TOTAL	543	-	50,340	-	-	69,925	2,640	20	-	1,213,341	25,350
GRAND TOTAL	11,666,566	2,316,610	5,582,579	47,794,845	52,761,789	7,476,825	1,596,757	390,383	156,493	1,537,516	18,031,004

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF FISHERY - BY GEAR AND SUBAREA, 1960 - Continued

GEAR AND SUBAREA	OCEAN PERCH, ROUND	POLLOCK, DRAWN	SCUP OR PORGY, ROUND	SWORD-FISH, DRESSED	WHITING		WOLF-FISH, DRAWN	SCALLOPS, SEA (MEATS)	OTHER, AS LANDED	TOTAL, AS LANDED
					DRESSED	ROUND				
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
LINE TRAWLS:										
MIDDLE GROUND	-	-	-	-	-	-	40	-	-	475
WESTERN MAINE	-	14,970	-	-	405	100	375	-	2,672	293,972
EASTERN MASSACHUSETTS	-	36,784	-	-	-	225	2,640	-	19,050	1,348,721
WEST SIDE SOUTH CHANNEL	-	58,548	-	-	-	-	7,644	-	995	2,440,630
SOUTHERN MASSACHUSETTS	-	-	-	-	-	-	-	-	-	1,315
TOTAL	-	110,302	-	-	405	325	10,699	-	22,717	4,085,113
HAND LINES:										
EASTERN MASSACHUSETTS	-	1,511,837	-	-	-	-	85	-	87,779	2,200,177
WEST SIDE SOUTH CHANNEL	-	21,884	-	-	-	-	40	-	-	375,855
TOTAL	-	1,533,721	-	-	-	-	125	-	87,779	2,576,032
HARPOONS:										
EASTERN MASSACHUSETTS	-	-	-	-	-	-	-	-	94,189	94,189
NORTHERN EDGE OF GEORGES	-	-	-	3,891	-	-	-	-	-	3,891
CENTRAL AND S.E. GEORGES (OCC.)	-	-	-	207	-	-	-	-	-	207
NANTUCKET SHOALS AND LIGHTSHIP	-	-	-	381,348	-	-	-	-	-	381,348
OFF NO MAN'S LAND	-	-	-	80,096	-	-	-	-	45	80,141
SOUTHERN MASSACHUSETTS	-	-	-	3,896	-	-	-	-	-	3,896
RHODE ISLAND SHORE (OCC.)	-	-	-	120	-	-	-	-	-	120
TOTAL	-	-	-	469,558	-	-	-	-	94,234	563,792
OTTER TRAWLS, LARGE:										
S.E. GRAND BANKS	1,605,566	-	-	-	-	-	-	-	9,000	1,615,398
S. W. GRAND BANKS	789,677	-	-	-	-	-	-	-	-	790,394
ST. PIERRE BANK	1,440,576	-	-	-	-	-	-	-	-	1,442,614
E. GULF ST. LAWRENCE	208,800	-	-	-	-	-	-	-	-	208,800
N. GULF ST. LAWRENCE	-	62	-	-	-	-	80	-	-	951
S. GULF ST. LAWRENCE	20,000	-	-	-	-	-	-	-	-	20,000
N. E. CAPE BRETON	5,988,983	1,481	-	-	-	-	572	-	-	6,016,903
MISAINE BANK	2,145,751	102	-	-	-	-	-	-	-	2,146,237
BANQUEREAU	3,182,448	-	-	-	-	-	-	-	-	3,188,114
CANSO	2,498,582	7,547	-	-	-	-	544	-	-	2,786,114
MIDDLE GROUND	437,000	8,100	-	-	-	-	50	-	-	449,845
HORSESHOE GROUND	5,436,234	128,410	-	-	-	-	7,337	-	5,137	5,793,453
S.W. SABLE ISLAND BANK	-	-	-	-	-	-	-	-	-	10,560
EASTERN NOVA SCOTIA	2,184,286	3,805	-	-	-	-	195	-	1,086	2,207,536
EMERALD BANK	1,155,839	311	-	-	-	-	410	-	-	1,172,126
CENTRAL NOVA SCOTIA	3,339,872	5,801	-	-	-	-	1,169	-	612	3,366,274
E. BROWNS AND LA HAVE	165,300	649,429	-	-	200	-	35,778	-	8,500	4,847,116
SOUTHERN NOVA SCOTIA	1,075,339	74,503	-	-	-	-	3,992	-	10,000	1,713,066
WESTERN BROWNS	2,700	775,036	-	-	35	-	118,275	-	1,000	7,559,605
WESTERN NOVA SCOTIA	4,200	1,908	-	-	-	20,168	-	-	-	29,504
SOUTHERN BAY OF FUNDY	7,000	11,150	-	-	-	-	-	-	-	54,730
NORTHERN BAY OF FUNDY	109,100	27,850	-	-	-	-	500	-	-	237,440
EASTERN MAINE	43,180	65,575	-	-	560	87,000	335	-	-	324,337
CENTRAL MAINE	23,500	2,117	-	-	-	378,858	-	-	-	426,157
WESTERN MAINE	-	11,500	-	-	-	-	-	-	-	14,200

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF FISHERY - BY GEAR AND SUBAREA, 1960 - Continued

GEAR AND SUBAREA	OCEAN PERCH, ROUND	POLLOCK, DRAWN	SCUP OR PORGY, ROUND	SWORD-FISH, DRESSED	WHITING		WOLF-FISH, DRAWN	SCALLOPS, SEA (MEATS)	OTHER, AS LANDED	TOTAL, AS LANDED
					DRESSED	ROUND				
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
OTTER TRAWLS, LARGE - CONTINUED:										
EASTERN MASSACHUSETTS	27	19,715	-	-	80	-	-	-	41	31,180
INNER GROUNDS	41,610	49,685	-	-	10,055	3,300	269	-	1,838	371,058
WEST SIDE SOUTH CHANNEL	99,490	339,774	-	-	7,045	892,761	5,350	-	3,982	3,534,771
EAST SIDE SOUTH CHANNEL	52,543	373,169	-	-	13,585	2,913,289	3,569	-	8,259	5,865,415
NORTHERN EDGE OF GEORGES	17,000	2,687,830	-	-	-	70,000	77,515	-	2,435	36,078,877
CENTRAL AND S.E. GEORGES	1,600	200,025	-	-	-	-	24,700	-	2,530	7,943,696
SOUTHWEST GEORGES	1,000	51,162	-	-	-	-	9,920	-	1,500	1,254,157
NANTUCKET SHOALS AND LIGHTSHIP	-	45	-	-	-	-	-	-	660	59,820
TOTAL	32,077,203	5,496,092	-	-	31,560	4,365,376	290,560	-	56,580	101,560,448
OTTER TRAWLS, MEDIUM:										
ST. PIERRE BANK	79,800	-	-	-	-	-	-	-	-	79,800
N.E. CAPE BRETON	3,033,989	1,490	-	-	-	-	-	-	-	3,042,089
MISAINE BANK	1,094,045	-	-	-	-	-	-	-	-	1,097,855
BANQUEREAU	3,053,456	1,515	-	-	-	-	-	-	-	3,059,410
CANSO	504,400	-	-	-	-	-	-	-	-	583,253
MIDDLE GROUND	179,800	-	-	-	-	-	-	-	-	180,643
HORSESHOE GROUND	1,159,700	7,540	-	-	-	-	-	-	-	1,172,632
EASTERN NOVA SCOTIA	1,373,460	573	-	-	-	-	53	-	-	1,385,864
EMERALD BANK	459,850	30	-	-	-	-	-	-	-	460,324
CENTRAL NOVA SCOTIA	4,513,710	30,023	-	-	-	-	822	-	-	4,566,870
E. BROWNS AND LA HAVE	754,960	228,856	-	-	425	-	14,163	-	5,205	2,825,711
SOUTHERN NOVA SCOTIA	6,107,471	177,994	-	-	-	-	11,569	-	-	7,124,840
WESTERN BROWNS	295,785	546,732	-	-	-	-	76,001	-	16,895	4,797,914
WESTERN NOVA SCOTIA	40,333	54,400	-	-	-	-	-	-	-	101,715
SOUTHERN BAY OF FUNDY	117,670	49,405	-	-	-	-	3,269	-	1,087	632,092
NORTHERN BAY OF FUNDY	72,120	123,609	-	-	-	-	2,834	-	513	832,614
EASTERN MAINE	205,735	165,035	-	-	-	-	3,610	-	250	888,700
CENTRAL MAINE	10,100	1,312	-	-	-	64,421	71	-	-	82,593
WESTERN MAINE	694,656	409,283	-	-	30	1,974,122	8,715	-	234,020	5,016,271
EASTERN MASSACHUSETTS	269,294	993,813	-	-	336,035	8,202,686	5,348	-	1,244,353	13,108,060
INNER GROUNDS	1,822,575	204,504	-	-	7,370	102,735	1,466	-	7,670	3,092,211
W. SIDE SOUTH CHANNEL	2,363,827	2,128,171	3,100	1,464	181,933	7,628,829	43,435	-	485,676	36,088,856
E. SIDE SOUTH CHANNEL	1,338,904	1,213,269	300	-	59,592	30,623,810	34,343	46	1,593,102	50,576,750
NORTHERN EDGE OF GEORGES	3,410	94,347	-	-	-	484,535	8,737	-	1,670	5,634,605
CENTRAL AND S.E. GEORGES	1,210	67,115	-	-	2,500	-	3,075	-	-	10,942,328
SOUTHWEST GEORGES	12,070	32,032	-	-	500	-	2,959	-	3,800	4,318,339
NANTUCKET SHOALS AND LIGHTSHIP	4,150	33,518	21,965	4,573	600	282,168	15,685	-	754,394	12,444,889
OFF NO MAN'S LAND	-	-	51,990	-	-	182,450	-	-	4,778,353	8,959,429
SOUTHERN MASSACHUSETTS	-	205	457,960	-	-	-	-	-	26,167	631,625
RHODE ISLAND SHORE	-	-	-	-	-	-	-	-	57,000	78,505
OFF LONG ISLAND	-	-	18,215	-	-	-	-	-	31,855	893,285
TOTAL	29,566,480	6,564,771	553,530	2/6,037	588,985	49,545,756	236,155	2/46	9,242,010	184,700,072
OTTER TRAWLS, SMALL:										
EASTERN MAINE	19,000	4,425	-	-	-	-	-	-	-	30,769
CENTRAL MAINE	-	222	-	-	-	82,650	-	-	-	86,341
WESTERN MAINE	362,865	344,958	-	-	4,192	4,649,170	3,313	-	330,754	6,776,588

SEE FOOTNOTES AT END OF TABLE.

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LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF FISHERY - BY GEAR AND SUBAREA, 1960 - Continued

GEAR AND SUBAREA	OCEAN PERCH, ROUND	POLLOCK, DRAWN	SCUP OR PORGY, ROUND	SWORD-FISH, DRESSED	WHITING		WOLF-FISH, DRAWN	SCALLOPS, SEA (MEATS)	OTHER, AS LANDED	TOTAL, AS LANDED
					DRESSED	ROUND				
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
OTTER TRAWLS, SMALL - CONTINUED:										
EASTERN MASSACHUSETTS	179,870	1,406,217	140	-	3,193,773	17,104,675	32,675	92	8,371,247	38,393,203
INNER GROUNDS	759,930	101,504	-	-	500	3,700	32	-	3,000	1,072,132
W. SIDE SOUTH CHANNEL	145,260	157,649	530	-	63,015	1,939,116	34,530	-	530,733	9,052,795
E. SIDE SOUTH CHANNEL	63,810	6,355	-	-	-	2,759,472	685	-	200,570	4,108,954
NORTHERN EDGE OF GEORGES.	-	-	-	-	-	33,500	-	-	50	93,523
CENTRAL AND S.E. GEORGES.	-	-	-	-	-	-	-	-	-	2,062,095
SOUTHWEST GEORGES	-	-	-	-	-	-	-	-	-	444,693
NANTUCKET SHOALS AND LIGHTSHIP. .	-	245	16,835	2,528	-	12,000	105	-	261,285	7,202,421
OFF NO MAN'S LAND	260	525	75,315	320	-	102,740	1,725	50	7,025,175	14,609,437
SOUTHERN MASSACHUSETTS.	-	429	500,614	868	240	200	745	-	45,286	2,366,864
RHODE ISLAND SHORE.	-	5	535	-	-	-	-	-	47,875	444,079
AREA XX11, UNCLASSIFIED	-	-	-	-	-	-	-	-	-	5,515
OFF LONG ISLAND	-	-	6,920	-	-	-	-	-	1,575	285,245
TOTAL.	1,530,995'	2,022,534'	600,889'	2/3,716'	3,261,720'	26,687,223'	73,810'	2/142'	16,817,550'	87,034,654
FLOATING TRAPS, EASTERN MASSACHUSETTS	-	16,188	-	-	-	43,625	300	-	169,775	543,449
SINK GILL NETS, EASTERN MASSACHUSETTS	-	264,833	-	-	-	130	-	-	289,430	1,374,928
DRIFT GILL NETS, EASTERN MASSACHUSETTS	-	-	-	-	-	910	-	-	2,367	13,793
PURSE SEINES, EASTERN MASSACHUSETTS	-	-	-	-	-	-	-	-	16,762,629	34,764,038
SCALLOP DREDGES:										
EASTERN MASSACHUSETTS	-	-	-	-	-	-	75	47,596	885	49,701
W. SIDE SOUTH CHANNEL	-	-	-	-	-	-	-	1,859,032	-	1,872,847
E. SIDE SOUTH CHANNEL	-	-	-	-	-	-	-	1,462,467	-	1,469,422
NORTHERN EDGE OF GEORGES.	-	-	-	-	-	-	-	4,769,655	-	4,778,767
CENTRAL AND S.E. GEORGES.	-	-	-	-	-	-	-	1,699,405	-	1,783,675
SOUTHWEST GEORGES	-	-	-	-	-	-	-	9,764,724	-	9,918,572
NANTUCKET SHOALS AND LIGHTSHIP. .	-	-	-	-	-	-	-	691,835	-	699,235
RHODE ISLAND SHORE.	-	-	-	-	-	-	-	16,617	-	16,617
OFF LONG ISLAND	-	-	-	-	-	-	-	260,674	-	260,674'
TOTAL.	-	-	-	-	-	-	2/75	20,572,005'	2/885'	20,849,510
POUND NETS:										
EASTERN MASSACHUSETTS	-	187,585	4,600	-	-	208,453	-	-	2,853,531	4,333,873
W. SIDE SOUTH CHANNEL	-	-	7,437	-	-	-	-	-	84,121	144,811
SOUTHERN MASSACHUSETTS.	-	55	7,658	-	-	-	-	-	1,160,461	1,399,320
TOTAL.	-	187,640	19,695'	-	-	208,453'	-	-	4,098,113'	5,878,004
GRAND TOTAL.	63,174,678'	16,196,081'	1,174,114'	479,311	3,882,670'	80,851,798'	611,724'	20,572,193'	47,644,069	443,943,833

1/ EXCLUSIVE OF DUPLICATION. 2/ INCIDENTAL CATCH.

NOTE:--THE LANDINGS SHOWN ABOVE ACCOUNTED FOR 97 PERCENT OF THE 1960 MASSACHUSETTS CATCH. DATA ON THE MONTHLY CATCH BY GEAR AND SUBAREA WERE RELEASED CURRENTLY IN THE BUREAU'S CURRENT FISHERY STATISTICS SERIES OF BULLETINS. ADDITIONAL 1960 LANDINGS AMOUNTED TO ABOUT 12 MILLION POUNDS AND CONSISTED LARGELY OF FINFISH, CRABS, NORTHERN LOBSTERS, CLAMS, SEA MUSSELS, OYSTERS, BAY SCALLOPS, SQUID, AND IRISH MOSS. TOTAL LANDINGS IN MASSACHUSETTS IN 1960 BASED ON WEIGHT OF MEATS FOR UNIVALVE AND BIVALVE MOLLUSKS, AND ROUND WEIGHT FOR ALL OTHER SPECIES TOTALED 480,421,300 POUNDS. OTTER TRAWLS ARE CLASSIFIED ACCORDING TO SIZE OF THE CRAFT. "SMALL" OTTER TRAWL CRAFT ARE THOSE 50 GROSS TONS CAPACITY OR UNDER; "MEDIUM", 51 GROSS TONS TO 150 GROSS TONS; AND "LARGE", 151 GROSS TONS OR GREATER. A SINGLE TRIP IS REPORTED FOR EACH VOYAGE. DAYS ABSENT IS THE MEASURE OF TIME TO THE NEAREST COMPLETE DAY THAT A VESSEL IS AWAY FROM PORT DURING A FISHING TRIP. WHEN A CRAFT OPERATES IN TWO OR MORE SUBAREAS DURING A VOYAGE, A FRACTIONAL PART (IN TENTHS) OF THE TRIP IS ALLOTTED TO THE SUBAREA ON THE BASIS OF THE CATCH TAKEN IN EACH SUBAREA. "OCCASIONAL" AFTER THE NAME OF A SUBAREA INDICATES THAT THE CRAFT CONTRIBUTING TO THE CATCH AS SHOWN, FISHED CHIEFLY WITH ANOTHER TYPE OF GEAR. DAYS FISHED IS THE TIME ACTUAL FISHING OPERATIONS WERE CARRIED ON, EXPRESSED TO THE NEAREST TENTH OF A DAY. TO OBTAIN FISHING TIME IN HOURS, MULTIPLY THE NUMBER OF DAYS FISHED BY 24.

LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF FISHERY - BY AREA AND SUBAREA, 1960

AREA AND SUBAREA	CRAFT FISHING	TRIPS	DAYS ABSENT	DAYS FISHED	COD, DRAWN			CUSK, DRAWN	FLOUNDERS, ROUND		
					LARGE	MARKET	SCROD		GRAY SOLE	LEMON SOLE	YELLOW-TAIL
	NUMBER	NUMBER	NUMBER	NUMBER	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
GULF OF ST. LAWRENCE (AREA XIX):											
E. GULF ST. LAWRENCE.	3	1.3	17	5.2	-	-	-	-	-	-	-
N. GULF ST. LAWRENCE.	1	0.1	2	0.2	67	62	-	5	202	-	-
S. GULF ST. LAWRENCE.	1	0.1	2	0.5	-	-	-	-	-	-	-
TOTAL	1/4	1.5	21	5.9	67	62	-	5	202	-	-
OFF GRAND BANKS (AREA XX)											
S.E. GRAND BANKS.	3	8.2	158	36.8	-	-	-	-	181	-	-
S.W. GRAND BANKS.	2	3.7	65	13.9	-	-	-	-	90	-	-
ST. PIERRE BANK	6	7.5	129	25.5	-	-	-	-	-	-	-
TOTAL	1/7	19.4	352	76.2	-	-	-	-	271	-	-
OFF NOVA SCOTIA (AREA XXI):											
N.E. CAPE BRETON.	30	56.0	692	183.3	2,051	5,392	1,180	287	2,932	-	-
MISAINE BANK.	16	19.2	228	62.8	-	2,205	-	105	125	-	-
BANQUEREAU.	26	41.2	463	131.0	333	379	-	92	568	190	-
CANSO	21	23.0	287	91.9	10,231	36,361	20,590	1,371	191,931	500	-
MIDDLE GROUND	9	6.3	56	12.9	303	662	-	117	1,257	-	-
HORSESHOE GROUND.	20	42.4	508	129.9	9,877	24,235	17,900	4,679	34,757	-	2,500
S.W. SABLE ISLAND BANK.	2	0.3	3	0.9	900	2,430	2,250	-	-	-	-
EASTERN NOVA SCOTIA	22	23.9	254	62.9	1,539	5,224	1,500	1,254	6,481	-	-
EMERALD BANK.	12	8.7	76	22.2	482	1,556	190	930	223	-	-
CENTRAL NOVA SCOTIA	30	56.6	588	149.5	3,154	4,267	25	4,188	2,839	-	-
E. BROWNS AND LA HAVE	66	74.9	663	408.4	236,488	322,213	101,775	65,720	4,848	2,950	5,532
SOUTHERN NOVA SCOTIA.	59	87.4	691	239.2	42,524	64,713	12,445	12,610	6,288	525	920
WESTERN BROWNS.	65	129.7	1,147	733.8	722,041	808,918	228,327	61,054	5,748	7,940	20,006
WESTERN NOVA SCOTIA	5	2.2	18	10.0	182	878	-	764	350	-	-
SOUTHERN BAY OF FUNDY	18	13.2	118	73.5	24,203	49,456	4,462	4,701	8,186	-	-
NORTHERN BAY OF FUNDY	22	21.6	165	94.9	34,403	63,478	6,785	3,567	6,401	-	-
TOTAL	1/105	606.6	5,957	2,407.1	1,088,711	1,392,367	397,429	161,439	272,934	12,105	28,958
NEW ENGLAND (AREA XXII):											
EASTERN MAINE	25	26.5	195	106.9	38,715	61,183	8,628	12,277	8,631	150	150
CENTRAL MAINE	9	5.9	27	11.5	448	1,021	-	1,523	5,828	-	-
WESTERN MAINE	64	673.0	1,216	656.9	314,034	275,599	42,125	138,204	224,124	169	19,120
EASTERN MASSACHUSETTS	214	15,682.3	16,367	9,181.8	1,746,329	1,559,314	253,456	213,747	262,593	5,935	1,553,572
INNER GROUNDS	62	129.0	719	357.8	34,949	55,023	5,931	60,565	54,441	775	1,570
W. SIDE SOUTH CHANNEL	311	4,169.5	9,885	6,245.7	1,780,171	3,554,893	194,217	260,811	387,334	317,037	2,422,081
E. SIDE SOUTH CHANNEL	252	1,315.3	6,428	4,129.6	507,836	890,127	82,361	183,699	373,988	531,927	1,711,235
NORTHERN EDGE OF GEORGES.	148	822.1	6,740	4,584.7	1,872,098	4,081,242	1,830,398	134,047	30,455	451,225	162,307
CENTRAL AND S.E. GEORGES.	165	650.6	4,861	3,259.3	954,983	1,129,931	175,140	14,090	66,265	864,106	6,347,073
SOUTHWEST GEORGES	170	964.0	6,049	4,092.1	68,351	345,879	21,620	5,680	118,818	161,423	1,583,606
NANTUCKET SHOALS AND LIGHTSHIP. .	203	1,294.3	6,674	4,317.9	238,110	1,020,427	31,322	3,970	432,676	301,840	8,455,658
OFF NO MAN'S LAND	150	1,182.6	3,422	2,220.8	9,330	81,816	1,867	-	19,115	13,200	4,839,765
SOUTHERN MASSACHUSETTS.	93	891.0	1,446	946.0	9,126	62,853	375	240	2,675	12,560	189,295
RHODE ISLAND SHORE.	29	47.7	166	112.0	765	8,955	-	-	115	285	308,390
XXII UNCLASSIFIED	1	1.0	2	1.0	-	250	-	-	-	-	-
TOTAL	1/745	27,854.8	64,197	40,224.0	7,575,245	13,128,513	2,647,440	1,028,853	1,987,058	2,660,632	27,593,822
OFF MIDDLE ATLANTIC STATES (AREA XXIII), OFF LONG ISLAND.	65	111.7	782	495.3	65	650	-	-	6,710	-	62,290
GRAND TOTAL	1/833	28,594.0	71,309	43,208.5	8,664,088	14,521,592	3,044,869	1,190,297	2,267,175	2,672,737	27,685,070

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF FISHERY - BY AREA AND SUBAREA, 1960 - Continued

AREA AND SUBAREA	FLOUNDERS, ROUND - CONTINUED			HADDOCK, DRAWN		HAKE			HALIBUT, DRAWN	MACKEREL, ROUND	MENHADEN, ROUND
						RED, ROUND	WHITE, DRESSED				
	BLACK-BACK	DAB	FLUKE	LARGE	SCROD		LARGE	SMALL			
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
GULF OF ST. LAWRENCE (AREA XIX):											
N. GULF ST. LAWRENCE, TOTAL	-	107	-	37	80	-	202	37	10	-	-
OFF GRAND BANKS (AREA XX):											
S.E. GRAND BANKS	-	64	-	-	-	-	-	-	587	-	-
S.W. GRAND BANKS	-	32	-	-	-	-	-	-	595	-	-
ST. PIERRE BANK	-	-	-	-	-	-	-	-	2,038	-	-
TOTAL	-	96	-	-	-	-	-	-	3,220	-	-
OFF NOVA SCOTIA (AREA XXI):											
N.E. CAPE BRETON	-	3,691	-	6,201	6,197	-	1,653	263	2,630	-	-
MISAINE BANK	-	459	-	389	30	-	-	9	872	-	-
BANQUEREAU	-	403	-	341	524	-	7	-	7,268	-	-
CANSO	-	17,214	-	33,175	43,984	-	1,252	-	1,685	-	-
MIDDLE GROUND	135	474	-	1,900	590	-	89	-	446	-	-
HORSESHOE GROUND	-	136	-	48,125	67,231	-	5,317	1,677	5,293	-	-
S.W. SABLE ISLAND BANK	-	-	-	4,030	950	-	-	-	-	-	-
EASTERN NOVA SCOTIA	-	3,317	-	2,919	3,310	-	569	1,277	2,552	-	-
EMERALD BANK	-	-	-	5,419	4,483	-	1,515	-	1,212	-	-
CENTRAL NOVA SCOTIA	-	1,306	-	8,732	11,009	-	1,950	1,373	2,292	-	-
E. BROWNS AND LA HAVE	4,189	23,583	-	2,376,674	2,643,218	-	2,810	353	19,658	-	-
SOUTHERN NOVA SCOTIA	650	7,002	-	628,704	592,162	-	3,963	1,445	3,087	-	-
WESTERN BROWNS	8,011	46,463	-	4,385,339	4,204,600	-	8,797	1,205	16,611	-	-
WESTERN NOVA SCOTIA	-	365	-	4,757	1,415	-	788	711	-	-	-
SOUTHERN BAY OF FUNDY	1,825	4,864	-	210,567	161,192	-	26,234	1,456	95	-	-
NORTHERN BAY OF FUNDY	2,113	2,929	-	300,850	260,997	-	50,060	1,918	27	-	-
TOTAL	16,923	112,206	-	8,018,122	8,001,892	-	105,004	11,687	63,728	-	-
NEW ENGLAND (AREA XXII):											
EASTERN MAINE	1,387	6,829	-	242,428	224,212	-	40,400	3,805	306	-	-
CENTRAL MAINE	100	1,166	-	2,184	1,774	-	13,207	4,389	200	-	-
WESTERN MAINE	12,377	131,747	-	800,135	629,332	109,482	217,774	135,346	5,363	-	-
EASTERN MASSACHUSETTS	1,555,264	521,693	15,163	1,589,125	1,212,028	2,175,328	168,203	108,244	16,835	1,327,247	18,005,654
INNER GROUNDS	2,243	34,101	-	792,706	291,562	2,500	61,052	14,815	1,425	-	-
W. SIDE SOUTH CHANNEL	3,147,965	254,063	107,222	9,917,605	10,314,433	1,281,425	379,252	42,872	29,035	24,278	500
E. SIDE SOUTH CHANNEL	459,110	929,363	3,260	8,499,681	4,525,145	146,550	388,695	53,609	12,609	207	-
NORTHERN EDGE OF GEORGES	476,195	137,001	1,875	9,982,759	18,965,272	-	196,340	375	13,499	-	-
CENTRAL AND S.E. GEORGES	740,812	94,573	4,595	4,970,341	5,344,901	-	15,585	625	6,614	-	-
SOUTHWEST GEORGES	130,492	45,515	5,335	2,161,566	1,397,816	-	5,728	2,104	2,161	-	-
NANTUCKET SHOALS AND LIGHTSHIP	2,991,753	35,725	2,157,280	794,224	1,827,714	-	5,075	6,550	1,450	-	-
OFF NO MAN'S LAND	1,214,310	7,615	1,386,810	8,777	5,008	3,761,540	175	635	-	-	-
SOUTHERN MASSACHUSETTS	841,520	4,810	839,670	9,320	13,700	-	65	1,355	38	185,784	24,850
RHODE ISLAND SHORE	61,435	-	24,544	5,835	6,795	-	-	50	-	-	-
XXII UNCLASSIFIED	5,265	-	-	-	-	-	-	-	-	-	-
TOTAL	11,640,228	2,204,201	4,545,754	39,776,686	44,759,692	7,476,825	1,491,551	374,774	89,535	1,537,516	18,031,004
OFF MIDDLE ATLANTIC STATES (AREA XXIII), OFF LONG ISLAND	9,415	-	1,036,825	-	125	-	-	3,885	-	-	-
GRAND TOTAL	11,666,566	2,316,610	5,582,579	47,794,845	52,761,789	7,476,825	1,596,757	390,383	156,493	1,537,516	18,031,004

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS AT MASSACHUSETTS PORTS

SUMMARY OF FISHERY - BY AREA AND SUBAREA, 1960 - Continued

AREA AND SUBAREA	OCEAN PERCH, ROUND	POLLOCK, DRAWN	SCUP OR PORGY, ROUND	SWORD-FISH, DRESSED	WHITING		WOLF-FISH, DRAWN	SCALLOPS, SEA (MEATS)	OTHER, AS LANDED	TOTAL, AS LANDED
					DRESSED	ROUND				
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
GULF OF ST. LAWRENCE (AREA XIX):										
E. GULF ST. LAWRENCE	208,800	-	-	-	-	-	-	-	-	208,800
N. GULF ST. LAWRENCE	-	62	-	-	-	-	80	-	-	951
S. GULF ST. LAWRENCE	20,000	-	-	-	-	-	-	-	-	20,000
TOTAL	228,800	62	-	-	-	-	80	-	-	229,751
OFF GRAND BANKS (AREA XX):										
S.E. GRAND BANKS	1,605,566	-	-	-	-	-	-	-	9,000	1,615,398
S.W. GRAND BANKS	789,677	-	-	-	-	-	-	-	-	790,394
ST. PIERRE BANK	1,520,376	-	-	-	-	-	-	-	-	1,522,414
TOTAL	3,915,619	-	-	-	-	-	-	-	9,000	3,928,206
OFF NOVA SCOTIA (AREA XXI):										
N.E. CAPE BRETON	9,022,972	2,971	-	-	-	-	572	-	-	9,058,992
MISAINE BANK	3,239,796	102	-	-	-	-	-	-	-	3,244,092
BANQUEREAU	6,235,904	1,515	-	-	-	-	-	-	-	6,247,524
CANSO	3,002,982	7,547	-	-	-	-	544	-	-	3,369,367
MIDDLE GROUND	616,800	8,100	-	-	-	-	90	-	-	630,963
HORSESHOE GROUND	6,595,934	135,950	-	-	-	-	7,337	-	5,137	6,966,085
S.W. SABLE ISLAND BANK	-	-	-	-	-	-	-	-	-	10,560
EASTERN NOVA SCOTIA	3,557,746	4,378	-	-	-	-	248	-	1,086	3,593,400
EMERALD BANK	1,615,689	341	-	-	-	-	410	-	-	1,632,450
CENTRAL NOVA SCOTIA	7,853,582	35,824	-	-	-	-	1,991	-	612	7,933,144
E. BROWNS AND LA HAVE	920,260	878,285	-	-	625	-	49,941	-	13,705	7,672,827
SOUTHERN NOVA SCOTIA	7,182,810	252,497	-	-	-	-	15,561	-	10,000	8,837,906
WESTERN BROWNS	298,485	1,321,768	-	-	35	-	194,276	-	17,895	12,357,519
WESTERN NOVA SCOTIA	44,533	56,308	-	-	-	20,168	-	-	-	131,219
SOUTHERN BAY OF FUNDY	124,670	60,555	-	-	-	-	3,269	-	1,087	686,822
NORTHERN BAY OF FUNDY	181,220	151,459	-	-	-	-	3,334	-	513	1,070,054
TOTAL	50,493,383 1/	2,917,600	-	-	660	20,168	277,573	-	50,035	73,442,924
NEW ENGLAND (AREA XXII):										
EASTERN MAINE	267,915	235,035	-	-	560	87,000	3,945	-	250	1,243,806
CENTRAL MAINE	33,600	3,651	-	-	-	525,929	71	-	-	595,091
WESTERN MAINE	1,057,521	780,711	-	-	4,627	6,623,392	12,403	-	567,446	12,101,031
EASTERN MASSACHUSETTS	449,191	4,436,972	4,740	-	3,529,888	25,560,704	41,123	47,688	29,895,276	96,255,312
INNER GROUNDS	2,624,115	355,693	-	-	17,925	109,735	1,767	-	12,508	4,535,401
W. SIDE SOUTH CHANNEL	2,608,577	2,706,026	11,067	1,464	251,993	10,460,706	90,999	1,859,032	1,105,507	53,510,565
E. SIDE SOUTH CHANNEL	1,455,257	1,592,793	300	-	73,177	36,296,571	38,597	1,462,513	1,801,931	62,020,541
NORTHERN EDGE OF GEORGES	20,410	2,782,177	-	3,891	-	588,035	86,252	4,769,655	4,155	46,589,663
CENTRAL AND S.E. GEORGES	2,810	267,140	-	207	2,500	-	27,775	1,699,405	2,530	22,732,001
SOUTHWEST GEORGES	13,070	83,194	-	-	500	-	12,879	9,764,724	5,300	15,935,761
NANTUCKET SHOALS AND LIGHTSHIP	4,150	33,808	38,800	388,449	600	294,168	15,790	691,835	1,016,339	20,787,713
OFF NO MAN'S LAND	260	525	127,305	80,416	-	285,190	1,725	50	11,803,573	23,649,007
SOUTHERN MASSACHUSETTS	-	689	966,232	4,764	240	200	745	-	1,231,914	4,403,020
RHODE ISLAND SHORE	-	5	535	120	-	-	-	16,617	104,875	539,321
XXII UNCLASSIFIED	-	-	-	-	-	-	-	-	-	5,515
TOTAL	8,536,876 1/	13,278,419 1/	1,148,979 1/	479,311 1/	3,882,010 1/	80,831,630 1/	334,071 1/	20,311,519 1/	47,551,604 1/	364,903,748
OFF MIDDLE ATLANTIC STATES (AREA XXIII), OFF LONG ISLAND	-	-	25,135	-	-	-	-	260,674	33,430	1,439,204
GRAND TOTAL	63,174,678	16,196,081 1/	1,174,114	479,311	3,882,670 1/	80,851,798	611,724 1/	20,572,193 1/	47,644,069	443,943,833

1/ EXCLUSIVE OF DUPLICATION.

NOTE:--THE ROMAN NUMERALS APPEARING IN THE ABOVE TABLE REFER TO THE NUMBERS GIVEN THOSE AREAS BY THE NORTH AMERICAN COUNCIL ON FISHERY INVESTIGATIONS SEE NOTE ON PAGE 137.

SECTION 3 - MIDDLE ATLANTIC FISHERIES

The 1960 commercial catch of fish and shellfish in the coastal areas of the Middle Atlantic States (New York, New Jersey, and Delaware) amounted to 784 million pounds valued at $22 million to the fishermen. Compared with the previous year, the 1960 catch represented an increase of 23 million pounds or 3 percent in volume, but a decrease of $1 million or 4 percent in value. The value of the catch was the lowest since 1944. Increased catches of menhaden were responsible for most of the gain in volume. The lower value of the catch was mainly due to a decline in the value of menhaden resulting from sharply reduced prices for menhaden meal and solubles.

Menhaden was in first place in the volume of the Middle Atlantic catch with 671 million pounds--an increase of 18 million pounds compared with 1959. Clam meats were second (32 million pounds), followed by scup or porgy (27 million pounds), and flounders (12 million pounds).

New Jersey led all other States in volume accounting for 48 percent of the total landings for the Middle Atlantic States. Delaware was in second place with 36 percent and New York accounted for the remaining 16 percent. New Jersey also led in value, accounting for 44 percent of the total. New York was second with 40 percent, and Delaware accounted for the remaining 16 percent.

There were 8,332 fishermen engaged in making the catch in 1960--151 more than in the previous year. The increase occurred in New York, as both New Jersey and Delaware had less fishermen than in 1959. Commercial fishing craft operated in these States during the year consisted of 621 vessels of 5 net tons or greater (39 more than in the previous year) and 3,391 motor boats, and 627 other boats.

There were 502 wholesale and manufacturing establishments operating in the area during 1960. These firms gave employment to over 8,000 persons. Fishery products manufactured by these firms were valued at over $80 million--$5 million more than in 1959.

The oyster fishery of the Middle Atlantic States continued its downward trend. The volume decreased 17 percent and the value, 6 percent. A record low was reached when only 1.2 million pounds of meats were harvested. Higher prices for the shucked product created some consumer resistance, but the popularity of the mollusks caused prices to increase. Fishermen averaged over $1 per pound for oyster meats in 1960.

The otter trawl fleet continued to drag for lobsters along the Jersey Coast resulting in a 13-percent increase in the total volume of lobsters landed.

Landings of blue crabs in the Middle Atlantic States were larger than in 1959. Increasing popularity caused a greater demand. Prices to fishermen improved, and more fishing effort was expended for these shellfish.

Landings of several species of flounders were better in 1960 than in 1959. The catch of yellowtails almost doubled, and blackback landings were up 25 percent. Production of fluke declined, but the value improved.

A large run of small striped bass in New York resulted in a record catch for that species in 1960.

Despite a rather gloomy opening season caused by depressed meal prices, menhaden fishing continued during the year at a steady pace resulting in a 3-percent increase in the volume of fish landed. Mechanization of fishing operations permitted vessel operators to reduce the average number of crewmen to 17. In the previous year, the average crew consisted of 19 men.

MIDDLE ATLANTIC FISHERIES

Marketing of fresh fish through the two major fish marketing channels--Fulton Fish Market, New York City; and the Philadelphia market--continued to decline. Markets for fresh fish appeared to be spreading more to outlying districts where wholesalers obtained their supplies directly from production centers. In addition, the frozen fish trade, including cooked fish sticks and portions, appeared to be replacing the fresh fish market.

Weather affected the fisheries only slightly during 1960. One hurricane sideswiped the Coast causing some damage to pound net operations and considerable loss to many shore fishermen. The loss was reflected in a decline in the catch of sea bass.

The Bureau acknowledges the assistance of the following organizations in the collection of the data appearing in this section: The New York Conservation Department; the Division of Fish and Game and the Division of Shell Fisheries of the New Jersey Department of Conservation and Economic Development; and the University of Delaware Marine Research Laboratory and the Delaware Commission of Shell Fisheries.

Condensed summary data of the operating units and catch by States of the fisheries of the Middle Atlantic area appearing on the following pages have been previously published in Current Fishery Statistics No. 2566. Seasonal variation in the catch of fish and shellfish in the New York Marine District and in New Jersey can be ascertained from monthly and annual landing bulletins issued for these States in cooperation with the fishery agency of each State. Additional data on many aspects of the Middle Atlantic fisheries may be found in daily, monthly, and annual reports published by the Bureau's Fishery Market News Service, 155 John Street, New York 38, New York.

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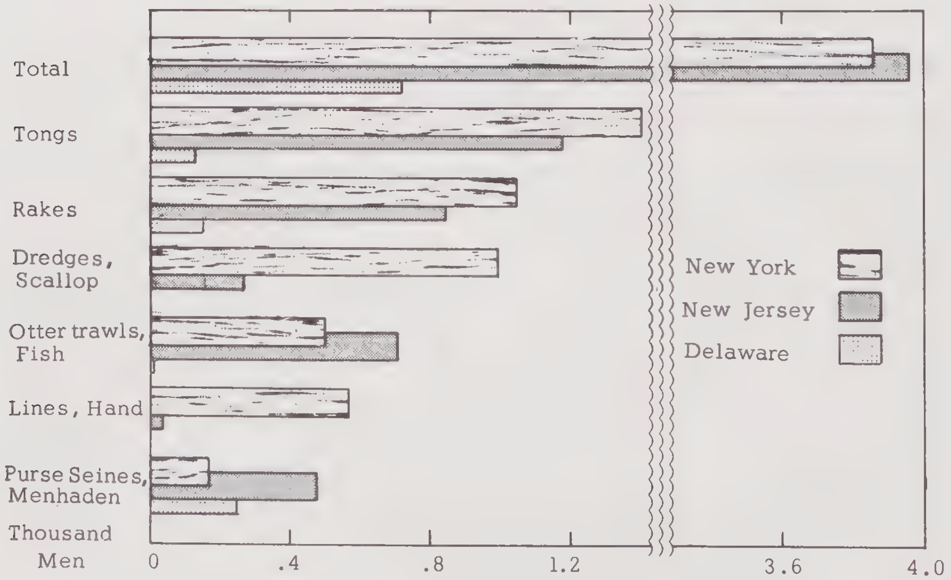
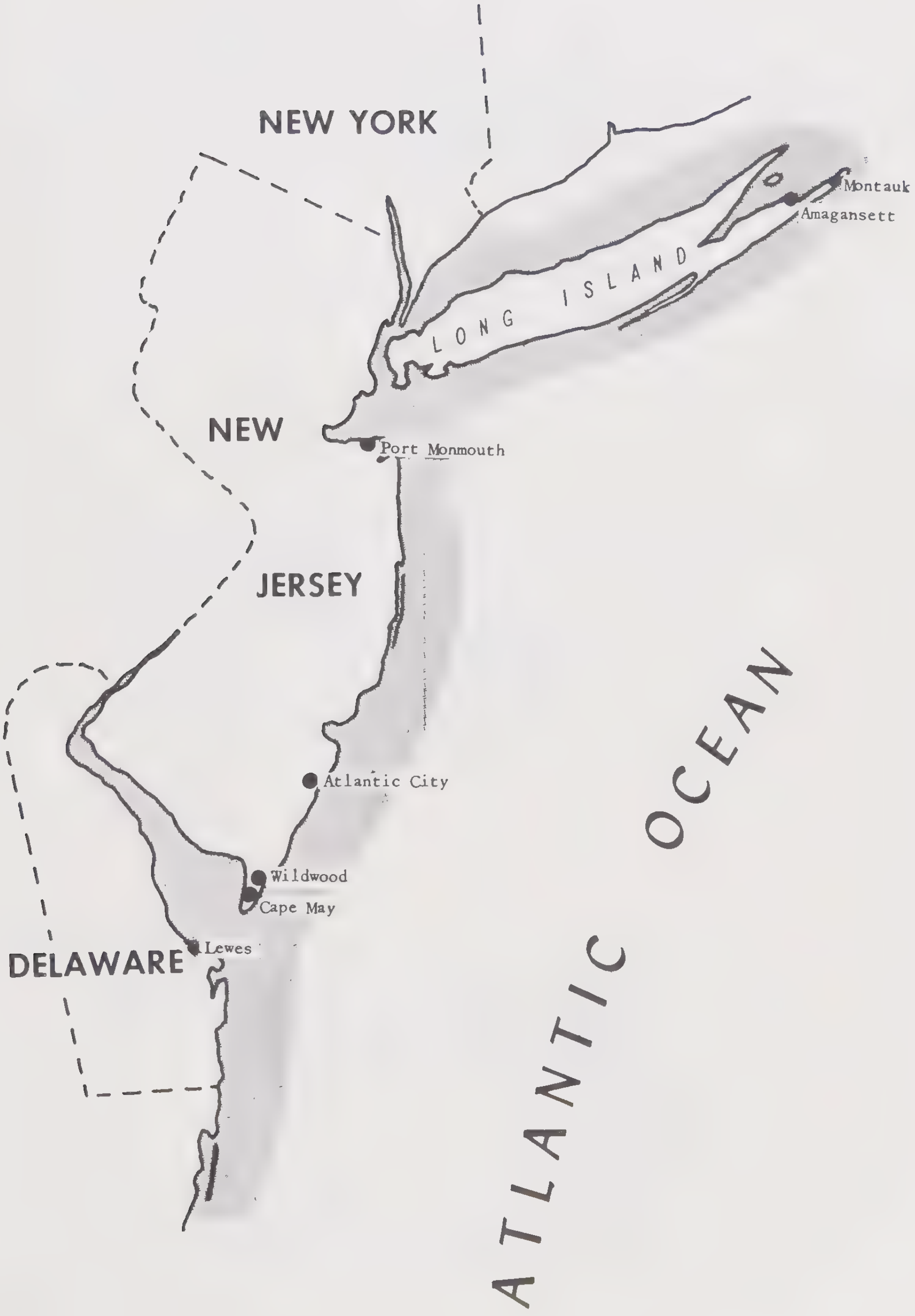
EMPLOYMENT OF FISHERMEN BY GEAR, 1960



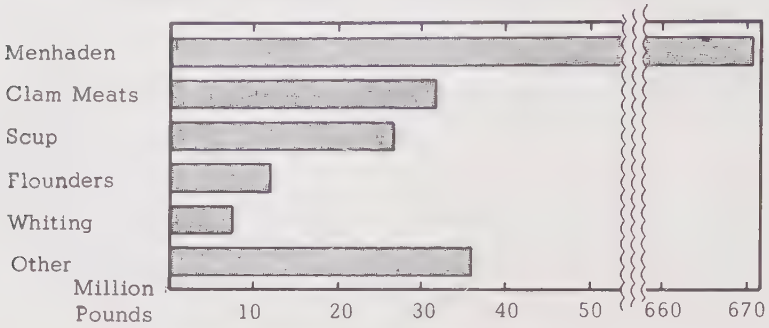
MIDDLE ATLANTIC FISHERIES

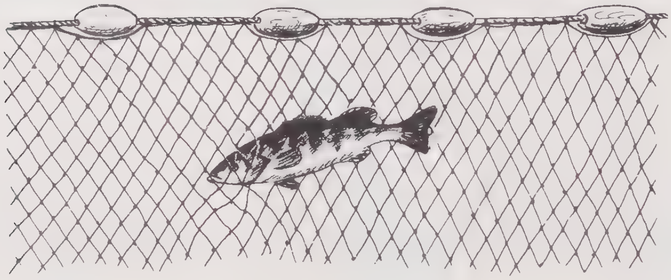

NEW YORK
LONG ISLAND
Montauk
Amagansett
NEW
JERSEY
Port Monmouth
Atlantic City
Wildwood
Cape May
Lewes
DELAWARE
ATLANTIC OCEAN

MIDDLE ATLANTIC STATES

MIDDLE ATLANTIC FISHERIES

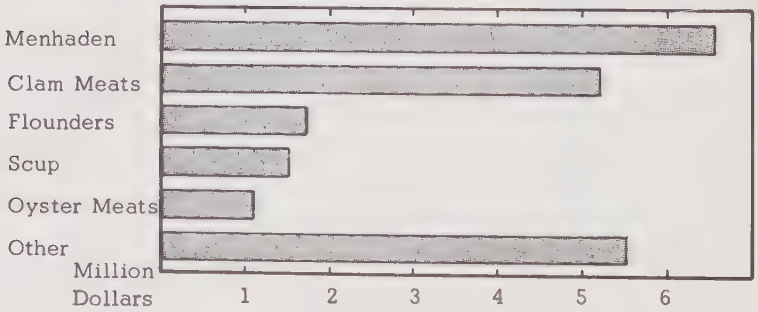
MIDDLE ATLANTIC STATES CATCH, 1960





GILL NET

VALUE OF MIDDLE ATLANTIC STATES CATCH, 1960



MIDDLE ATLANTIC FISHERIES

SECTIONAL SUMMARIES

SUMMARY OF CATCH, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

STATE	FISH		SHELLFISH, ETC.		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW YORK	115,138	3,448	10,794	5,333	125,932	8,781
NEW JERSEY	342,875	6,073	30,813	3,534	373,688	9,607
DELAWARE	280,915	2,777	3,313	592	284,228	3,369
TOTAL	738,928	12,298	44,920	9,459	783,848	21,757

SUMMARY OF OPERATING UNITS, 1960

ITEM	NEW YORK	NEW JERSEY	DELAWARE	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	997	1,902	356	3,038
ON BOATS AND SHORE:				
REGULAR	840	754	109	1,703
CASUAL	2,027	1,310	254	3,591
TOTAL	3,864	3,966	719	8,332
VESSELS, MOTOR	218	399	49	621
GROSS TONNAGE 1/	10,847	18,575	3,604	30,790
BOATS:				
MOTOR	1,772	1,325	294	3,391
OTHER	90	330	35	455
ACCESSORY BOATS	31	102	39	172
GEAR:				
HAUL SEINES, COMMON	47	16	6	69
LENGTH, YARDS	14,758	2,427	1,780	18,965
STOP SEINES	-	4	-	4
LENGTH, YARDS	-	1,600	-	1,600
PURSE SEINES:				
MENHADEN	10	28	13	51
LENGTH, YARDS	4,360	10,810	4,470	19,640
OTHER	-	9	-	9
LENGTH, YARDS	-	2,270	-	2,270
BEAM TRAWLS	-	9	-	9
YARDS AT MOUTH	-	26	-	26
OTTER TRAWLS, FISH	151	209	6	342
YARDS AT MOUTH	3,251	4,805	131	7,534
WEIRS	-	6	-	6
POUND NETS, FISH	109	59	-	157
HOOP AND FYKE NETS, FISH	173	13	85	271
POTS AND TRAPS:				
CONCH	50	-	-	50
CRAB	-	3,770	4,250	8,020
EEL	982	495	125	1,602
FISH	200	18,945	-	19,145
LOBSTER	6,816	3,420	-	10,236
TURTLE	-	120	167	287
GILL NETS:				
ANCHOR	38	5	9	52
SQUARE YARDS	15,433	27,555	11,000	53,988
DRIFT:				
SHAD	54	6	12	72
SQUARE YARDS	145,982	6,826	7,000	159,808
OTHER	9	47	3	57
SQUARE YARDS	43,200	296,115	2,750	329,065
RUNAROUND	10	32	2	44
SQUARE YARDS	17,700	178,040	4,000	199,740
STAKE	58	66	26	150
SQUARE YARDS	97,302	116,912	53,050	267,264
LINES:				
HAND	575	65	-	640
HOOKS	850	65	-	915
TROLL	-	263	-	263
HOOKS	-	263	-	263
LONG OR SET WITH HOOKS	67	98	3	168
HOOKS	43,985	264,400	4,500	312,885
TROT WITH BAITS	-	16	2	18
BAITS	-	7,000	700	7,700

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1960 - Continued

ITEM	NEW YORK	NEW JERSEY	DELAWARE	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER
GEAR - CONTINUED:				
DIP NETS, COMMON	75	-	-	75
PUSH NETS	-	12	-	12
HARPOONS	31	7	-	38
SPEARS	23	5	-	28
DREDGES:				
CLAM	34	156	31	214
YARDS AT MOUTH	33	169	39	231
CRAB	2	143	17	162
YARDS AT MOUTH	3	168	33	204
OYSTER, COMMON	36	56	13	105
YARDS AT MOUTH	51	56	18	125
SCALLOP	2,148	50	-	2,186
YARDS AT MOUTH	2,243	174	-	2,375
OTHER	-	8	-	8
YARDS AT MOUTH	-	26	-	26
TONGS:				
OYSTER	-	64	9	73
OTHER	1,405	1,114	117	2,636
RAKES	950	844	151	1,945
HOES	-	80	-	80
HOOKS	-	-	1	1

1/ PREVIOUSLY THE TONNAGE REPORTED WAS NET TONS.

CATCH BY STATES, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	NEW YORK		NEW JERSEY		DELAWARE		TOTAL	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	38	2	3	(1)	3	(1)	44	2
AMBERJACK	-	-	(1)	(1)	-	-	(1)	(1)
ANGLERFISH	33	1	1	(1)	-	-	34	1
BLUEFISH	414	99	443	84	1	(1)	858	183
BONITO	63	8	45	6	-	-	108	14
BULLHEADS	1	(1)	-	-	-	-	1	(1)
BUTTERFISH	1,839	175	2,343	144	-	-	4,182	319
CARP	16	1	32	2	4	1	52	4
CATFISH	23	2	20	2	1	(1)	44	4
COD	998	110	3,554	299	19	1	4,571	410
CROAKER	-	-	8	2	(1)	(1)	8	2
DRUM, BLACK	-	-	56	1	(1)	(1)	56	1
EELS:								
COMMON	228	31	41	10	7	1	276	42
CONGER	1	(1)	4	(1)	-	-	5	(1)
FLOUNDERS:								
GRAY SOLE	9	1	30	2	-	-	39	3
YELLOWTAIL	1,159	122	12	1	-	-	1,171	123
BLACKBACK	1,640	117	106	7	14	1	1,760	125
DAB	(1)	(1)	-	-	-	-	(1)	(1)
FLUKE	2,512	514	6,355	967	44	5	8,911	1,486
UNCLASSIFIED	-	-	20	1	-	-	20	1
TOTAL FLOUNDERS	5,320	754	6,523	978	58	6	11,901	1,738
GRUNTS	-	-	1	(1)	-	-	1	(1)
HADDOCK	81	7	1	(1)	-	-	82	7
HAKE:								
RED	418	13	1,021	24	-	-	1,439	37
WHITE	2	(1)	45	2	-	-	47	2
HERRING, SEA	197	2	324	6	-	-	521	8
KING WHITING OR "KINGFISH"	2	(1)	32	2	4	1	38	3
MACKEREL	141	23	175	29	-	-	316	52
MENHADEN	84,161	848	305,927	2,957	280,711	2,751	670,799	6,556
MINNOWS	-	-	-	-	1	1	1	1
MULLET	-	-	20	4	4	(1)	24	4
PILOT FISH	-	-	(1)	(1)	-	-	(1)	(1)
POLLOCK	5	(1)	2	(1)	-	-	7	(1)
SCUP OR PORGY	12,969	767	13,669	796	-	-	26,638	1,563
SEA BASS	524	99	2,206	362	(1)	(1)	2,730	461

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	NEW YORK		NEW JERSEY		DELAWARE		TOTAL	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
SEA ROBIN	6	(1)	18	(1)	-	-	24	(1)
SEA TROUT OR WEAKFISH, GRAY	89	15	526	43	8	1	623	59
SHAD	418	67	781	124	38	6	1,237	197
SHARKS:								
GRAYFISH	48	2	4	(1)	-	-	52	2
UNCLASSIFIED	3	(1)	9	1	-	-	12	1
TOTAL SHARKS	51	2	13	1	-	-	64	3
SILVERSIDES	205	23	-	-	-	-	205	23
SKATES	40	1	4	(1)	-	-	44	1
SPOT	-	-	(1)	(1)	18	2	18	2
STRIPED BASS	731	148	114	25	25	5	870	178
STURGEON	15	4	7	2	-	-	22	6
SUCKERS	1	(1)	-	-	-	-	1	(1)
SUNFISH	(1)	(1)	-	-	-	-	(1)	(1)
SWELLFISH	299	16	34	2	-	-	333	18
SWORDFISH	49	28	20	9	-	-	69	37
TAUTOG	10	1	27	1	-	-	37	2
THIMBLE-EYED MACKEREL	-	-	153	8	-	-	153	8
TILEFISH	78	9	45	2	-	-	123	11
TOMCOD	2	1	-	-	-	-	2	1
TUNA:								
BLUEFIN	8	1	5	1	-	-	13	2
LITTLE	2	(1)	2	(1)	-	-	4	(1)
TOTAL TUNA	10	1	7	1	-	-	17	2
WHITE PERCH	18	3	58	7	13	1	89	11
WHITING	3,593	130	3,821	127	-	-	7,414	257
YELLOW PERCH	(1)	(1)	-	-	-	-	(1)	(1)
UNCLASSIFIED:								
FOR FOOD	414	41	8	(1)	-	-	422	41
BAIT, REDUCTION, AND ANIMAL FOOD	1,635	16	743	11	-	-	2,378	27
TOTAL FISH	115,138	3,448	342,875	6,073	280,915	2,777	738,928	12,298
SHELLFISH, ETC.								
CRABS:								
BLUE:								
HARD	1	(1)	1,533	175	2,109	220	3,643	395
SOFT AND PEELER	-	-	17	3	40	11	57	14
ROCK	-	-	12	1	-	-	12	1
TOTAL CRABS	1	(1)	1,562	179	2,149	231	3,712	410
HORSESHOE CRABS	-	-	586	4	-	-	586	4
LOBSTERS, NORTHERN	506	181	1,370	475	-	-	1,876	656
SHRIMP	-	-	5	5	-	-	5	5
CLAMS:								
HARD:								
PUBLIC	2,141	1,317	2,549	899	284	117	4,974	2,333
PRIVATE	1,747	1,075	3	1	200	75	1,950	1,151
RAZOR	6	1	-	-	-	-	6	1
SOFT, PUBLIC	153	44	45	19	-	-	198	63
SURF	722	85	23,448	1,546	478	48	24,648	1,679
TOTAL CLAMS	4,769	2,522	26,045	2,465	962	240	31,776	5,227
CONCHS	26	5	312	53	2	(1)	340	58
MUSSELS, SEA	14	2	-	-	-	-	14	2
OYSTERS, MARKET:								
PUBLIC:								
SPRING	-	-	11	11	-	-	11	11
FALL	-	-	12	12	15	10	27	22
PRIVATE:								
SPRING	404	432	34	33	70	44	508	509
FALL	406	473	110	105	92	65	608	643
TOTAL OYSTERS	810	905	167	161	177	119	1,154	1,185
SCALLOPS:								
BAY	843	674	-	-	-	-	843	674
SEA	2,790	976	566	177	-	-	3,356	1,153
SQUID	1,035	68	176	12	-	-	1,211	80
TERRAPIN	-	-	4	1	-	-	4	1
TURTLES:								
LOGGERHEAD	-	-	1	(1)	-	-	1	(1)
SLIDER	-	-	1	(1)	-	-	1	(1)
SNAPPER	-	-	18	2	23	2	41	4
TOTAL SHELLFISH, ETC.	10,794	5,333	30,813	3,534	3,313	592	44,920	9,459
GRAND TOTAL	125,932	8,781	373,688	9,607	284,228	3,369	783,848	21,757

1/ LESS THAN 500 POUNDS OR $500.

CATCH OF CERTAIN SHELLFISH, 1960

(NUMBER AND BUSHELS)

SPECIES		NEW YORK		NEW JERSEY	
		QUANTITY	VALUE	QUANTITY	VALUE
CRABS:					
BLUE:					
HARD	NUMBER	2,640	$140	3,065,800	$174,892
SOFT AND PEELER	DO	-	-	56,595	3,300
ROCK	DO	-	-	36,300	599
HORSESHOE CRABS	DO	-	-	146,375	4,342
CLAMS:					
HARD:					
PUBLIC	U. S. STANDARD BUSHELS	178,425	1,316,678	254,870	898,767
PRIVATE	DO	145,600	1,074,447	310	991
RAZOR	DO	369	1,450	-	-
SOFT, PUBLIC	DO	9,575	44,017	3,758	18,770
SURF	DO	42,441	85,242	1,379,264	1,546,261
CONCHS	DO	1,713	5,151	15,600	52,891
MUSSELS, SEA	DO	1,410	2,175	-	-
OYSTERS, MARKET:					
PUBLIC:					
SPRING	DO	-	-	1,571	10,755
FALL	DO	-	-	1,671	11,742
PRIVATE:					
SPRING	DO	53,920	431,632	4,814	32,756
FALL	DO	54,133	473,571	15,771	104,695
SCALLOPS:					
BAY	DO	140,500	673,642	-	-
SEA	DO	464,916	975,736	94,400	177,365

SPECIES		DELAWARE		TOTAL	
		QUANTITY	VALUE	QUANTITY	VALUE
CRABS:					
BLUE:					
HARD	NUMBER	5,062,080	$219,518	8,130,520	$394,550
SOFT AND PEELER	DO	160,000	11,193	216,595	14,493
ROCK	DO	-	-	36,300	599
HORSESHOE CRABS	DO	-	-	146,375	4,342
CLAMS:					
HARD:					
PUBLIC	U. S. STANDARD BUSHELS	35,512	117,310	468,807	2,332,755
PRIVATE	DO	25,025	75,069	170,935	1,150,507
RAZOR	DO	-	-	369	1,450
SOFT, PUBLIC	DO	-	-	13,333	62,787
SURF	DO	28,129	47,819	1,449,834	1,679,322
CONCHS	DO	115	380	17,428	58,422
MUSSELS, SEA	DO	-	-	1,410	2,175
OYSTERS, MARKET:					
PUBLIC:					
SPRING	DO	-	-	1,571	10,755
FALL	DO	2,381	10,625	4,052	22,367
PRIVATE:					
SPRING	DO	10,561	44,368	69,295	508,756
FALL	DO	13,864	64,690	83,768	642,956
SCALLOPS:					
BAY	DO	-	-	140,500	673,642
SEA	DO	-	-	559,316	1,153,101

NOTE:--THE CAPACITY OF A U. S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

AVERAGE WEIGHTS OF CERTAIN SHELLFISH, 1960

SPECIES		NEW YORK	NEW JERSEY	DELAWARE
		QUANTITY	QUANTITY	QUANTITY
CRABS:				
BLUE:				
HARD	NUMBER PER POUND	2.40	2.00	2.40
SOFT AND PEELER	DO	-	3.43	4.00
ROCK	DO	-	3.00	-
HORSESHOE CRABS	POUNDS PER CRAB	-	4.00	-
CLAMS:				
HARD:				
PUBLIC	LBS. MEATS PER U.S. STANDARD BUSHEL	12.00	10.00	8.00
PRIVATE	DO	12.00	10.00	8.00
RAZOR	DO	16.00	-	-
SOFT, PUBLIC	DO	16.00	12.00	-
SURF	DO	17.00	17.00	17.00
CONCHS	DO	15.00	20.00	20.00
MUSSELS, SEA	DO	10.00	-	-
OYSTERS, MARKET:				
PUBLIC:				
SPRING	DO	-	7.00	-
FALL	DO	-	7.00	6.30
PRIVATE:				
SPRING	DO	7.50	7.00	6.60
FALL	DO	7.50	7.00	6.60
SCALLOPS:				
BAY	DO	6.00	-	-
SEA	DO	6.00	6.00	-

NOTE:--THE CAPACITY OF A U. S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

MIDDLE ATLANTIC FISHERIES

WHOLESALING AND MANUFACTURING, 1960

ITEM	NEW YORK	NEW JERSEY	PENNSYLVANIA	DELAWARE	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
WHOLESALING AND MANUFACTURING:					
ESTABLISHMENTS	314	115	53	20	502
PERSONS ENGAGED:					
AVERAGE FOR SEASON	3,552	3,022	1,325	497	8,396
AVERAGE FOR YEAR	3,294	1,817	907	377	6,395
FISHERMEN MANUFACTURING	250	-	-	-	250

MANUFACTURED FISHERY PRODUCTS, 1960

ITEM		NEW YORK		NEW JERSEY		DELAWARE AND PENNSYLVANIA	
		QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BUTTERFISH, SMOKED	POUNDS	339,000	$210,600	60,000	$18,000	29,500	$18,360
CARP, SMOKED	DO	65,000	62,000	10,500	7,800	(1)	(1)
CHUBS, SMOKED	DO	2,691,300	1,811,400	350,000	120,000	315,000	204,750
COD FILLETS, FRESH AND FROZEN	DO	2,094,100	832,740	448,640	166,092	(1)	(1)
EELS, COMMON, SMOKED	DO	287,500	209,525	24,300	14,580	(1)	(1)
FLOUNDER FILLETS, FRESH AND FROZEN	DO	3,455,300	2,053,246	535,890	277,809	508,000	233,960
HADDOCK FILLETS, FRESH AND FROZEN	DO	848,600	381,870	512,000	222,700	82,200	30,736
HAKE FILLETS, FROZEN	DO	19,500	5,850	(1)	(1)	-	-
HERRING, SEA, CURED:							
SALTED (INCLUDING BRINED AND SPECIALTY PACKS)	DO	939,891	575,379	-	-	283,000	65,000
SMOKED (INCLUDING KIPPERED)	DO	20,000	6,750	-	-	145,000	25,250
LAKE TROUT, SMOKED	DO	52,000	44,175	(1)	(1)	12,500	12,075
MACKEREL, SALTED	DO	-	-	-	-	551,030	245,338
PADDLEFISH OR SPOONBILL CAT, SMOKED	DO	50,000	53,150	-	-	-	-
SABLEFISH, SMOKED	DO	1,640,000	1,166,160	150,000	112,500	160,000	84,800
SALMON:							
SMOKED (INCLUDING MILD CURED)	DO	6,025,000	9,195,675	1,080,000	992,250	860,000	951,550
KIPPERED	DO	968,000	1,272,600	-	-	-	-
CAVIAR, CANNED	STANDARD CASES	5,032	314,558	-	-	-	-
SHAD, SMOKED	POUNDS	19,000	8,550	-	-	28,500	11,350
STURGEON, SMOKED	DO	523,000	1,177,410	65,000	122,500	24,000	48,000
WHITEFISH, SMOKED	DO	1,640,000	1,418,000	310,000	204,000	150,000	108,000
WHITING, SMOKED	DO	137,000	72,800	207,000	81,650	(1)	(1)
SHRIMP, FRESH AND FROZEN:							
PACKAGED:							
NOT BREADED	DO	597,417	520,842	(1)	(1)	-	-
BREADED	DO	1,334,598	1,068,687	(1)	(1)	(1)	(1)
SHRIMP COCKTAIL (REFRIGERATED)	DO	797,661	715,884	(1)	(1)	(1)	(1)
CLAMS, SURF AND HARD, SHUCKED (WHOLE AND MINCED)	GALLONS	193,457	403,707	825,357	1,373,202	4,742	26,081
OYSTERS, SHUCKED	DO	-	-	9,357	74,856	240,076	1,995,120
SCALLOPS:							
BAY, SHUCKED	DO	93,644	735,105	-	-	-	-
SEA, BREADED, FROZEN	POUNDS	807,191	588,479	(1)	(1)	(1)	(1)
UNCLASSIFIED PRODUCTS:							
PACKAGED FRESH AND FROZEN:							
FISH AND SHELLFISH:							
NOT BREADED	DO	2/168,296	2/94,354	3/36,659	3/21,868	4/397,701	4/185,556
BREADED	DO	(5)	(5)	6/1,307,450	6/973,867	7/9,647,743	7/6,096,678
SPECIALTIES	DO	8/4,195,296	8/1,920,496	9/5,014,948	9/4,509,026	10/5,982,232	10/4,386,699
CANNED	STANDARD CASES	11/167,659	11/2,631,529	12/1,395,592	12/11,497,700	13/374,146	13/2,231,059
MISCELLANEOUS	-	-	14/1,980,112	-	15/6,290,951	-	16/4,795,243
TOTAL	-	-	31,531,633	-	27,081,351	-	21,755,605

SEE FOOTNOTES ON NEXT PAGE.

(CONTINUED ON NEXT PAGE)

MANUFACTURED FISHERY PRODUCTS, 1960 - Continued

1/ INCLUDED WITH "UNCLASSIFIED PRODUCTS." 2/ INCLUDES FROZEN RAW FISH PORTIONS, BUTTERED ROCK LOBSTER TAILS, AND SHUCKED OYSTERS. 3/ INCLUDES FRESH FILLETS OF HAKE, MACKEREL AND POLLOCK; FROZEN FILLETS OF OCEAN PERCH AND RED SNAPPER; FROZEN RAW FISH PORTIONS; FROZEN COOKED SHRIMP; AND FRESH TURTLE STEAKS. 4/ INCLUDES FRESH FILLETS OF COD AND SHAD; AND FROZEN RAW FISH PORTIONS. 5/ INCLUDED WITH SPECIALTIES. 6/ INCLUDES FROZEN BREADED SOFT CRABS, SHRIMP, CLAMS, OYSTERS, SCALLOPS, AND FISH FILLETS, PORTIONS, AND STICKS. 7/ INCLUDES FROZEN BREADED SHRIMP, OYSTERS, SEA SCALLOPS, FISH STICKS AND FISH PORTIONS. 8/ INCLUDES FROZEN COD CAKES, BAKED HADDOCK, HALIBUT IN SAUCE, TUNA PIES, CRAB CAKES, LOBSTER MEAT IN TOMATO SAUCE, SHRIMP CURRY, CLAMS IN TOMATO SAUCE, CONCH MEAT PLAIN AND IN TOMATO SAUCE, SQUID PLAIN AND IN TOMATO SAUCE; BREADED FILLETS OF COD, FLOUNDER, HADDOCK, OCEAN PERCH, AND POLLOCK; BREADED SMELTS, FISH PORTIONS AND STICKS; FISH BURGERS, AND FISH PLATTERS. 9/ INCLUDES FROZEN COD CAKES, DEVILED CRABS, SHRIMP COCKTAIL, SHRIMP STEAKS, DEVILED CLAMS, MUSSELS IN SAUCE, AND SHELLFISH SOUPS AND DINNERS. 10/ INCLUDES FROZEN COD CAKES, CRAB CAKES, DEVILED CRAB, LOBSTER CAKES, SHRIMP COCKTAIL, CLAM CAKES, CLAM STICKS, OYSTER PIE, OYSTER STEW, AND SHELLFISH DINNERS. 11/ INCLUDES CANNED ANCHOVY PASTE, LUMPFISH CAVIAR, HERRING SALAD SPREAD, STURGEON CAVIAR, WHITEFISH CAVIAR, GEFIILLTEFISH, HARD AND SURF CLAMS WHOLE, MINCED, CHOWDER AND JUICE, CONCH MEAT, SQUID, AND ANIMAL FOODS. 12/ INCLUDES CANNED COD CAKES, WHITEFISH, FISH APPETIZERS, GEFILTEFISH, CRAB NEWBURG AND BISQUE, LOBSTER SOUPS AND STEWS, SHRIMP SOUPS AND STEWS, HARD AND SURF CLAMS WHOLE, MINCED, CHOWDER, JUICE AND SAUCE, CONCHS, OYSTERS, OYSTER SOUP AND STEW, SCALLOPS IN SAUCE, SQUID, TURTLE MEAT, SOUP AND STEW, SHELLFISH SOUP, AND ANIMAL FOOD. 13/ INCLUDES CANNED TUNA FLAKES, HARD AND SURF CLAMS WHOLE, MINCED CHOWDER, JUICE, AND SAUCE, CONCHS, OYSTER STEW, TURTLE SOUP, AND SHELLFISH BISQUE. 14/ INCLUDES THE VALUE OF SALTED COD; SMOKED COD, HADDOCK, AND MACKEREL; MENHADEN MEAL, OIL, AND SOLUBLES; SHARK AND UNCLASSIFIED LIVER OIL; FRESH-WATER MUSSEL SHELL BUTTONS; AND MARINE PEARL SHELL BUTTONS. 15/ INCLUDES THE VALUE OF SALTED COD; SMOKED LAKE TROUT; MENHADEN MEAL, OIL, AND SOLUBLES; HORSESHOE CRAB MEAL; OYSTER SHELL LIME AND POULTRY GRIT; FRESH-WATER MUSSEL SHELL AND MARINE PEARL SHELL BUTTONS; AND IRISH MOSS EXTRACTIVES. 16/ INCLUDES THE VALUE OF SMOKED CARP, EELS, AND WHITING; MENHADEN MEAL, OIL, AND SOLUBLES; OYSTER SHELL POULTRY GRIT; AND MARINE PEARL SHELL BUTTONS.

NOTE:--SOME OF THE ABOVE PRODUCTS MAY HAVE BEEN MANUFACTURED FROM RAW PRODUCTS IMPORTED FROM ANOTHER STATE OR A FOREIGN COUNTRY; THEREFORE, THEY CANNOT BE CORRELATED DIRECTLY WITH THE CATCH WITHIN THE STATE.

SUMMARY OF PRODUCTION, BY COMMODITIES, 1960

SUMMARY OF ITEMS		QUANTITY	VALUE
PACKAGED, FRESH AND FROZEN:			
NOT BREADED:			
FISH FILLETS AND STEAKS	POUNDS	8,616,430	$4,245,912
SHELLFISH	DO	12,611,266	5,182,031
BREADED:			
FISH	DO	10,255,301	5,557,396
SHELLFISH	DO	5,026,360	4,277,616
FISH AND SHELLFISH SPECIALTIES (NOT BREADED AND BREADED)	DO	14,240,104	10,632,555
CANNED:			
FISH AND SHELLFISH	STANDARD CASES	1,842,523	16,336,625
ANIMAL FOOD	DO	99,906	338,221
CURED FISH:			
SALTED	POUNDS	1,969,011	1,018,233
SMOKED AND KIPPERED	DO	18,624,100	19,946,785
BYPRODUCTS	-	-	12,833,215
TOTAL	-		80,368,589

SUMMARY OF VALUE, BY STATES, 1960

STATE	VALUE
NEW YORK	$31,531,633
NEW JERSEY	27,081,351
DELAWARE	7,925,533
PENNSYLVANIA	13,830,072
TOTAL	80,368,589

MIDDLE ATLANTIC FISHERIES

NEW YORK

OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	PURSE SEINES, MENHADEN	OTTER TRAWLS, FISH	POUND NETS, FISH	HOOP AND FYKE NETS, FISH	POTS AND TRAPS
						CONCH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	7	170	471	46	-	-
ON BOATS AND SHORE:						
REGULAR	74	-	30	19	9	-
CASUAL	51	-	-	16	22	1
TOTAL	132	170	501	81	31	1
VESSELS, MOTOR	3	10	135	11	-	-
GROSS TONNAGE	31	2,546	5,804	109	-	-
BOATS:						
MOTOR	42	-	16	15	19	1
OTHER	3	-	-	11	2	-
ACCESSORY BOATS	-	30	-	-	-	-
GEAR:						
NUMBER	47	10	151	109	173	50
LENGTH, YARDS	14,758	4,360	-	-	-	-
YARDS AT MOUTH	-	-	3,251	-	-	-

ITEM	POTS AND TRAPS - CONTINUED			GILL NETS		
	EEL	FISH	LOBSTER	ANCHOR	DRIFT	
					SHAD	OTHER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	2	14	-	-	9
ON BOATS AND SHORE:						
REGULAR	15	-	27	12	4	6
CASUAL	13	-	27	11	103	4
TOTAL	28	2	68	23	107	19
VESSELS, MOTOR	-	1	7	-	-	4
GROSS TONNAGE	-	15	73	-	-	53
BOATS:						
MOTOR	20	-	30	18	54	5
OTHER	-	-	10	-	-	-
GEAR:						
NUMBER	982	200	6,816	38	54	9
SQUARE YARDS	-	-	-	15,433	145,982	43,200

ITEM	GILL NETS-CONTINUED		LINES		DIP NETS, COMMON	HARPOONS	SPEARS
	RUNA-ROUND	STAKE	HAND	LONG OR SET WITH HOOKS			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	2	-	-	10	-	20	-
ON BOATS AND SHORE:							
REGULAR	8	17	125	36	50	4	-
CASUAL	10	37	450	16	25	-	23
TOTAL	20	54	575	62	75	24	23
VESSELS, MOTOR	1	-	-	5	-	9	-
GROSS TONNAGE	6	-	-	49	-	187	-
BOATS:							
MOTOR	9	46	325	33	75	2	23
OTHER	-	3	25	1	-	-	-
ACCESSORY BOATS	-	-	-	-	-	1	-
GEAR:							
NUMBER	10	58	575	67	75	31	23
SQUARE YARDS	17,700	97,302	-	-	-	-	-
HOOKS OR BAITS	-	-	850	43,985	-	-	-

ITEM	DREDGES				TONGS	RAKES	TOTAL, EXCLUSIVE OF DUPLICATION
	CLAM	CRAB	OYSTER, COMMON	SCALLOP			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	74	-	73	205	-	-	997
ON BOATS AND SHORE:							
REGULAR	3	-	3	265	345	320	840
CASUAL	-	4	-	525	1,060	630	2,027
TOTAL	77	4	76	995	1,405	950	3,864
VESSELS, MOTOR	30	-	18	19	-	-	218
GROSS TONNAGE	778	-	581	1,634	-	-	10,841
BOATS:							
MOTOR	2	2	2	615	760	740	1,772
OTHER	-	-	-	-	25	10	90
ACCESSORY BOATS	-	-	-	-	-	-	31
GEAR:							
NUMBER	34	2	36	2,148	1,405	950	-
YARDS AT MOUTH	33	3	51	2,243	-	-	-

NEW YORK - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	4,400	$206	-	-	-	-
ANGLERFISH	-	-	-	-	28,700	$917
BLUEFISH	44,800	10,746	-	-	14,000	3,367
BONITO	-	-	-	-	600	68
BUTTERFISH	200	19	-	-	1,633,100	155,418
CARP	10,000	661	-	-	-	-
CATFISH	700	95	-	-	-	-
COD	200	22	-	-	361,900	39,979
EELS, CONGER	-	-	-	-	700	19
FLOUNDERS:						
GRAY SOLE	-	-	-	-	7,900	1,016
YELLOWTAIL	-	-	-	-	1,152,200	121,559
BLACKBACK	900	64	-	-	1,583,300	112,599
DAB	-	-	-	-	300	24
FLUKE	400	80	-	-	2,444,900	500,229
HADDOCK	-	-	-	-	81,200	7,423
HAKE:						
RED	-	-	-	-	408,600	12,518
WHITE	-	-	-	-	2,400	96
HERRING, SEA	-	-	-	-	400	4
KING WHITING OR "KINGFISH"	300	37	-	-	1,700	212
MACKEREL	6,900	1,105	-	-	1,500	249
MENHADEN	7,500	75	82,410,000	$830,172	-	-
POLLOCK	-	-	-	-	5,200	392
SCUP OR PORGY	349,800	20,686	-	-	12,544,400	741,893
SEA BASS	-	-	-	-	463,500	87,892
SEA ROBIN	-	-	-	-	2,700	54
SEA TROUT OR WEAKFISH, GRAY	19,400	3,185	-	-	42,700	7,015
SHAD	3,300	324	-	-	100	18
SHARKS:						
GRAYFISH	-	-	-	-	44,400	1,713
UNCLASSIFIED	-	-	-	-	1,200	59
SILVERSIDES	205,300	22,985	-	-	-	-
SKATES	-	-	-	-	39,300	1,291
STRIPED BASS	531,900	119,985	-	-	46,900	10,580
STURGEON	1,000	238	-	-	4,800	1,145
SUCKERS	300	45	-	-	-	-
SUNFISH	100	20	-	-	-	-
SWELLFISH	4,000	200	-	-	16,100	1,034
TAUTOG	-	-	-	-	4,800	240
TILEFISH	-	-	-	-	67,400	8,107
WHITE PERCH	13,700	2,572	-	-	-	-
WHITING	-	-	-	-	3,524,700	127,247
UNCLASSIFIED:						
FOR FOOD	29,100	2,910	-	-	235,200	23,520
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	1,408,400	14,084
LOBSTERS, NORTHERN	-	-	-	-	252,600	63,158
SCALLOPS, SEA	-	-	-	-	2,900	1,000
SQUID	-	-	-	-	930,000	61,197
TOTAL	1,234,200	186,260	82,410,000	830,172	27,360,700	2,107,336

SPECIES	POUND NETS		HOOP AND FYKE NETS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	33,800	$1,352	-	-
ANGLERFISH	4,000	$128	-	-	-	-
BLUEFISH	109,400	26,240	-	-	-	-
BONITO	25,600	3,135	-	-	-	-
BULLHEADS	-	-	900	135	-	-
BUTTERFISH	205,600	19,564	-	-	-	-
CARP	-	-	2,000	105	-	-
CATFISH	-	-	10,700	829	-	-
EELS, COMMON	94,300	12,797	-	-	70,700	$9,647
FLOUNDERS:						
BLACKBACK	20,600	1,466	35,500	2,526	-	-
FLUKE	16,100	3,295	-	-	-	-
HAKE, RED	1,100	35	-	-	-	-
HERRING, SEA	196,100	1,962	-	-	-	-
KING WHITING OR "KINGFISH"	300	37	-	-	-	-
MACKEREL	100,500	16,099	-	-	-	-
MENHADEN	1,743,500	17,435	-	-	-	-
SCUP OR PORGY	70,200	4,150	-	-	-	-
SEA BASS	1,800	345	-	-	55,900	10,600
SEA ROBIN	3,500	70	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY	5,200	852	-	-	-	-
SHAD	143,500	28,660	-	-	-	-
SHARKS, GRAYFISH	2,900	110	-	-	-	-
SKATES	600	20	-	-	-	-

(CONTINUED ON NEXT PAGE)

NEW YORK, CATCH BY GEAR, 1960 - Continued

SPECIES	POUND NETS		HOOP AND FYKE NETS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
STRIPED BASS	4,200	$950	-	-	-	-
SUCKERS	-	-	400	$59	-	-
SUNFISH	-	-	200	40	-	-
SWELLFISH	278,900	14,767	-	-	-	-
TAUTOG	4,800	240	-	-	-	-
TOMCOD	-	-	1,700	510	-	-
TUNA:						
BLUEFIN	5,900	985	-	-	-	-
LITTLE	1,000	50	-	-	-	-
WHITE PERCH	-	-	1,100	110	-	-
WHITING	50,000	1,804	-	-	-	-
YELLOW PERCH	-	-	300	45	-	-
UNCLASSIFIED:						
FOR FOOD	50,300	5,030	-	-	-	-
BAIT, REDUCTION, AND ANIMAL FOOD	227,000	2,270	-	-	-	-
LOBSTERS, NORTHERN	-	-	-	-	233,600	$112,637
CONCHS	-	-	-	-	19,900	3,984
SQUID	55,800	3,670	-	-	-	-
TOTAL	3,422,700	166,166	86,600	5,711	380,100	136,868

SPECIES	GILL NETS							
	ANCHOR		DRIFT		RUNAROUND		STAKE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	38,100	$9,139	-	-	29,200	$7,004	-	-
CARP	-	-	2,100	$102	-	-	1,400	$70
CATFISH	600	90	-	-	-	-	900	102
MACKEREL	-	-	29,200	4,680	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY	1,800	295	-	-	19,800	3,248	-	-
SHAD	-	-	143,400	17,548	-	-	127.200	20,535
SHARKS, UNCLASSIFIED	1,500	72	-	-	-	-	-	-
STRIPED BASS	-	-	7,700	920	-	-	125,100	12,391
STURGEON	5,500	1,312	2,700	653	-	-	1,100	148
SUCKERS	-	-	-	-	-	-	100	15
WHITE PERCH	3,100	323	-	-	-	-	-	-
YELLOW PERCH	100	15	-	-	-	-	-	-
UNCLASSIFIED, FOR FOOD	6,500	650	-	-	3,500	350	-	-
TOTAL	57,200	11,896	185,100	23,903	52,500	10,602	255,800	33,261

SPECIES	LINES				DIP NETS, COMMON		HARPOONS	
	HAND		LONG OR SET WITH HOOKS					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	178,600	$42,838	-	-	-	-	-	-
BONITO	36,500	4,470	-	-	-	-	-	-
CATFISH	-	-	10,100	$865	-	-	-	-
COD	18,000	1,988	618,200	68,301	-	-	-	-
EELS, COMMON	-	-	400	59	-	-	-	-
MACKEREL	3,000	480	-	-	-	-	-	-
SCUP OR PORGY	4,800	284	-	-	-	-	-	-
STRIPED BASS	15,000	3,390	-	-	-	-	-	-
SWORDFISH	-	-	-	-	-	-	49,300	$27,502
TUNA:								
BLUEFIN	1,900	317	-	-	-	-	-	-
LITTLE	800	40	-	-	-	-	-	-
UNCLASSIFIED, FOR FOOD	89,700	8,970	-	-	-	-	-	-
SCALLOPS, BAY	-	-	-	-	2,000	$1,598	-	-
TOTAL	348,300	62,777	628,700	69,225	2,000	1,598	49,300	27,502

SPECIES	SPEARS		DREDGES		TONGS		RAKES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	-	-	200	$48	-	-	-	-
BUTTERFISH	-	-	200	19	-	-	-	-
EELS, COMMON	62,600	$8,495	-	-	-	-	-	-
FLOUNDERS:								
GRAY SOLE	-	-	900	115	-	-	-	-
YELLOWTAIL	-	-	6,500	685	-	-	-	-
FLUKE	-	-	50,600	10,342	-	-	-	-
HAKE, RED	-	-	8,200	250	-	-	-	-
SEA BASS	-	-	2,900	550	-	-	-	-
SHARKS, GRAYFISH	-	-	900	35	-	-	-	-
TILEFISH	-	-	10,500	1,265	-	-	-	-
WHITING	-	-	18,700	676	-	-	-	-

(CONTINUED ON NEXT PAGE)

NEW YORK, CATCH BY GEAR, 1960 - Continued

SPECIES	SPEARS		DREDGES		TONGS		RAKES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CRABS, BLUE, HARD	-	-	1,100	$140	-	-	-	-
LOBSTERS, NORTHERN	-	-	19,400	4,850	-	-	-	-
CLAMS:								
HARD:								
PUBLIC	-	-	-	-	835,200	$513,600	1,305,900	$803,078
PRIVATE	-	-	1,747,200	1,074,447	-	-	-	-
RAZOR	-	-	-	-	-	-	5,900	1,450
SOFT, PUBLIC	-	-	-	-	-	-	153,200	44,017
SURF	-	-	721,500	85,242	-	-	-	-
CONCHS	-	-	5,800	1,167	-	-	-	-
MUSSELS, SEA	-	-	-	-	13,100	2,021	1,000	154
OYSTERS, MARKET, PRIVATE:								
SPRING	-	-	404,400	431,632	-	-	-	-
FALL	-	-	406,000	473,571	-	-	-	-
SCALLOPS:								
BAY	-	-	841,000	672,044	-	-	-	-
SEA	-	-	2,786,600	974,736	-	-	-	-
SQUID	-	-	49,200	3,237	-	-	-	-
TOTAL	62,600	$8,495	7,081,800	3,735,051	848,300	515,621	1,466,000	848,699

NEW YORK - OPERATING UNITS BY COUNTIES, 1960

ITEM	COLUMBIA	DUCHESS	GREENE	KINGS	NASSAU	NEW YORK
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	-	-	42	67	334
ON BOATS AND SHORE:						
REGULAR	-	-	-	15	89	-
CASUAL	14	33	2	272	380	-
TOTAL	14	33	2	329	536	334
VESSELS, MOTOR	-	-	-	21	24	37
GROSS TONNAGE	-	-	-	449	624	3,401
BOATS:						
MOTOR	6	16	2	199	252	-
OTHER	-	-	-	27	25	-
GEAR:						
HAUL SEINES, COMMON	2	1	-	4	1	-
LENGTH, YARDS	183	400	-	52	13	-
OTTER TRAWLS, FISH	-	-	-	20	15	24
YARDS AT MOUTH	-	-	-	291	222	716
HOOP AND FYKE NETS, FISH	3	3	3	-	-	-
POTS AND TRAPS:						
EEL	-	-	-	45	200	-
FISH	-	-	-	-	200	-
LOBSTER	-	-	-	1,700	300	-
GILL NETS:						
DRIFT:						
SHAD	6	13	-	-	-	-
SQUARE YARDS	9,984	33,364	-	-	-	-
OTHER	-	-	-	-	9	-
SQUARE YARDS	-	-	-	-	43,200	-
RUNAROUND	-	-	-	-	6	-
SQUARE YARDS	-	-	-	-	9,600	-
LINES:						
HAND	-	-	-	250	50	-
HOOKS	-	-	-	250	50	-
LONG OR SET WITH HOOKS	-	1	-	-	19	-
HOOKS	-	175	-	-	15,200	-
HARPOONS	-	-	-	-	4	-
SPEARS	-	-	-	-	10	-
DREDGES:						
CLAM	-	-	-	5	12	-
YARDS AT MOUTH	-	-	-	5	10	-
CRAB	-	-	-	2	-	-
YARDS AT MOUTH	-	-	-	3	-	-
OYSTER, COMMON	-	-	-	-	12	-
YARDS AT MOUTH	-	-	-	-	18	-
SCALLOP	-	-	-	2	-	30
YARDS AT MOUTH	-	-	-	7	-	105
TONGS	-	-	-	-	355	-
RAKES	-	-	-	-	220	-

(CONTINUED ON NEXT PAGE)

NEW YORK - OPERATING UNITS BY COUNTIES, 1960 - Continued

	ORANGE	RICHMOND	ROCKLAND	SUFFOLK	ULSTER	WESTCHESTER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	33	-	521	-	-
ON BOATS AND SHORE:						
REGULAR	-	63	16	654	-	3
CASUAL	6	105	29	1,106	43	37
TOTAL	6	201	45	2,281	43	40
VESSELS, MOTOR	-	8	-	130	-	-
GROSS TONNAGE	-	66	-	6,436	-	-
BOATS:						
MOTOR	2	152	35	1,058	20	30
OTHER	1	10	3	21	3	-
ACCESSORY BOATS	-	-	-	31	-	-
GEAR:						
HAUL SEINES, COMMON	1	-	1	35	-	2
LENGTH, YARDS	133	-	133	13,600	-	244
PURSE SEINES, MENHADEN	-	-	-	10	-	-
LENGTH, YARDS	-	-	-	4,360	-	-
OTTER TRAWLS, FISH	-	-	-	94	-	-
YARDS AT MOUTH	-	-	-	2,062	-	-
POUND NETS, FISH	-	15	-	94	-	-
HOOP AND FYKE NETS, FISH	-	-	9	120	12	23
POTS AND TRAPS:						
CONCH	-	-	-	50	-	-
EEL	-	-	79	650	-	8
LOBSTER	-	-	-	4,816	-	-
GILL NETS:						
ANCHOR	-	-	15	11	-	12
SQUARE YARDS	-	-	1,299	14,000	-	134
DRIFT, SHAD	1	-	5	-	20	9
SQUARE YARDS	2,000	-	17,065	-	57,677	25,892
RUNAROUND	-	-	-	4	-	-
SQUARE YARDS	-	-	-	8,100	-	-
STAKE	-	-	39	-	-	19
SQUARE YARDS	-	-	63,275	-	-	34,027
LINES:						
HAND	-	-	-	275	-	-
HOOKS	-	-	-	550	-	-
LONG OR SET WITH HOOKS	-	-	12	32	1	2
HOOKS	-	-	2,835	25,200	175	400
DIP NETS, COMMON	-	-	-	75	-	-
HARPOONS	-	-	-	27	-	-
SPEARS	-	-	-	13	-	-
DREDGES:						
CLAM	-	-	-	17	-	-
YARDS AT MOUTH	-	-	-	15	-	-
OYSTER, COMMON	-	-	-	21	-	-
YARDS AT MOUTH	-	-	-	30	-	-
SCALLOP	-	-	-	2,116	-	-
YARDS AT MOUTH	-	-	-	2,131	-	-
TONGS	-	-	-	1,050	-	-
RAKES	-	160	-	570	-	-

NEW YORK - CATCH BY COUNTIES, 1960

SPECIES	COLUMBIA		DUTCHESS		GREENE		KINGS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	8,300	$362	11,700	$468	2,700	$108	-	-
ANGLERFISH	-	-	-	-	-	-	6,000	$191
BLUEFISH	-	-	-	-	-	-	171,600	41,158
BONITO	-	-	-	-	-	-	36,500	4,470
BULLHEADS	100	15	500	75	100	15	-	-
BUTTERFISH	-	-	-	-	-	-	35,200	3,350
CARP	1,500	75	2,600	135	-	-	-	-
CATFISH	100	15	500	50	100	15	-	-
COD	-	-	-	-	-	-	38,000	4,198
EELS, COMMON	-	-	100	15	-	-	5,500	746
FLOUNDERS:								
BLACKBACK	-	-	-	-	-	-	93,800	6,675
FLUKE	-	-	-	-	-	-	284,100	58,124
HAKE, RED	-	-	-	-	-	-	364,500	11,153
HERRING, SEA	-	-	-	-	-	-	200	2
KING WHITING OR "KINGFISH"	-	-	-	-	-	-	100	12
SCUP OR PORGY	-	-	-	-	-	-	811,900	48,016

(CONTINUED ON NEXT PAGE)

NEW YORK - CATCH BY COUNTIES, 1960 - Continued

SPECIES	COLUMBIA		DUTCHESS		GREENE		KINGS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SEA BASS	-	-	-	-	-	-	6,300	$1,195
SEA ROBIN	-	-	-	-	-	-	1,800	36
SEA TROUT OR WEAKFISH, GRAY	-	-	-	-	-	-	700	115
SHAD	11,200	$1,430	41,200	$4,438	-	-	-	-
SHARKS, GRAYFISH	-	-	-	-	-	-	16,700	645
SILVERSIDES	-	-	-	-	-	-	142,300	14,055
SKATES	-	-	-	-	-	-	2,200	72
STRIPED BASS	-	-	1,900	267	-	-	7,500	1,700
STURGEON	400	100	400	100	-	-	1,300	310
SUCKERS	-	-	200	30	-	-	-	-
SUNFISH	-	-	100	20	-	-	-	-
TAUTOG	-	-	-	-	-	-	300	15
TOMCOD	800	240	-	-	-	-	-	-
TUNA:								
BLUEFIN	-	-	-	-	-	-	300	50
LITTLE	-	-	-	-	-	-	800	40
WHITE PERCH	-	-	500	50	-	-	-	-
WHITING	-	-	-	-	-	-	2,354,700	85,000
YELLOW PERCH	-	-	100	15	-	-	-	-
UNCLASSIFIED:								
FOR FOOD	-	-	-	-	-	-	67,000	6,700
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	-	-	467,000	4,670
CRABS, BLUE, HARD	-	-	-	-	-	-	1,100	140
LOBSTERS, NORTHERN	-	-	-	-	-	-	63,500	30,620
CLAMS, SURF	-	-	-	-	-	-	399,500	47,000
SCALLOPS, SEA	-	-	-	-	-	-	5,700	1,995
SQUID	-	-	-	-	-	-	73,600	4,843
TOTAL	22,400	2,237	59,800	5,663	2,900	$138	5,459,700	377,296

SPECIES	NASSAU		NEW YORK		ORANGE		RICHMOND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	-	-	1,400	$56	-	-
ANGLERFISH	3,000	$96	1,500	$48	-	-	-	-
BLUEFISH	30,500	7,316	8,600	2,072	-	-	-	-
BONITO	-	-	600	68	-	-	-	-
BUTTERFISH	22,500	2,140	953,400	90,739	-	-	-	-
CARP	-	-	-	-	2,100	181	-	-
CATFISH	-	-	-	-	400	60	-	-
COD	415,200	45,873	5,000	553	-	-	-	-
EELS:								
COMMON	23,200	3,148	-	-	-	-	-	-
CONGER	-	-	700	19	-	-	-	-
FLOUNDERS:								
GRAY SOLE	-	-	900	115	-	-	-	-
YELLOWTAIL	2,800	295	20,000	2,105	-	-	-	-
BLACKBACK	172,700	12,290	20,000	1,423	-	-	-	-
DAB	-	-	300	24	-	-	-	-
FLUKE	439,900	90,000	224,300	45,882	-	-	-	-
HADDOCK	-	-	100	10	-	-	-	-
HAKE:								
RED	-	-	48,800	1,505	-	-	-	-
WHITE	-	-	100	4	-	-	-	-
HERRING, SEA	-	-	-	-	-	-	158,400	$1,585
MACKEREL	32,200	5,160	100	25	-	-	-	-
MENHADEN	-	-	-	-	-	-	963,600	9,636
POLLOCK	-	-	3,500	264	-	-	-	-
SCUP OR PORGY	151,400	8,954	8,289,100	490,232	-	-	-	-
SEA BASS	40,600	7,699	211,300	40,065	-	-	-	-
SEA ROBIN	-	-	900	18	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY	16,800	2,756	5,800	960	-	-	-	-
SHAD	-	-	100	18	1,000	213	118,200	23,616
SHARKS:								
GRAYFISH	-	-	13,200	508	-	-	-	-
UNCLASSIFIED	-	-	300	15	-	-	-	-
SKATES	2,400	78	17,400	571	-	-	-	-
STRIPED BASS	13,300	3,000	-	-	100	25	-	-
SUCKERS	-	-	-	-	300	45	-	-
SUNFISH	-	-	-	-	100	20	-	-
SWELLFISH	2,000	120	-	-	-	-	-	-
TILEFISH	1,800	216	72,100	8,676	-	-	-	-
WHITE PERCH	-	-	-	-	100	20	-	-
WHITING	61,800	2,230	677,100	24,456	-	-	-	-
UNCLASSIFIED, FOR FOOD	77,500	7,750	-	-	-	-	-	-
LOBSTERS, NORTHERN	36,100	12,067	93,400	23,360	-	-	-	-

(CONTINUED ON NEXT PAGE)

NEW YORK - CATCH BY COUNTIES, 1960 - Continued

SPECIES	NASSAU		NEW YORK		ORANGE		RICHMOND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CLAMS:								
HARD:								
PUBLIC	156,000	$95,930	-	-	-	-	346,300	$212,981
PRIVATE	395,100	242,978	-	-	-	-	-	-
SOFT, PUBLIC	5,600	1,610	-	-	-	-	-	-
SURF	322,000	38,242	-	-	-	-	-	-
MUSSELS, SEA	14,100	2,175	-	-	-	-	-	-
OYSTERS, MARKET, PRIVATE:								
SPRING	121,800	130,010	-	-	-	-	-	-
FALL	187,400	218,575	-	-	-	-	-	-
SCALLOPS, SEA	1,800	630	2,022,900	$707,593	-	-	-	-
SQUID	42,000	2,764	406,300	26,737	-	-	-	-
TOTAL	2,791,500	944,102	13,097,800	1,468,065	5,500	$620	1,586,500	247,818

SPECIES	ROCKLAND		SUFFOLK		ULSTER		WESTCHESTER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	3,200	$128	-	-	8,200	$328	2,700	$108
ANGLERFISH	-	-	22,200	$710	-	-	-	-
BLUEFISH	-	-	203,600	48,836	-	-	-	-
BONITO	-	-	25,600	3,135	-	-	-	-
BULLHEADS	100	15	-	-	100	15	-	-
BUTTERFISH	-	-	828,000	78,791	-	-	-	-
CARP	2,600	127	-	-	1,500	75	5,200	345
CATFISH	14,800	1,241	-	-	3,600	235	3,500	365
COD	-	-	540,100	59,666	-	-	-	-
EELS, COMMON	2,800	395	195,700	26,560	-	-	700	134
FLOUNDERS:								
GRAY SOLE	-	-	7,900	1,016	-	-	-	-
YELLOWTAIL	-	-	1,135,900	119,844	-	-	-	-
BLACKBACK	-	-	1,353,800	96,267	-	-	-	-
FLUKE	-	-	1,563,700	319,940	-	-	-	-
HADDOCK	-	-	81,100	7,413	-	-	-	-
HAKE:								
RED	-	-	4,600	145	-	-	-	-
WHITE	-	-	2,300	92	-	-	-	-
HERRING, SEA	-	-	37,900	379	-	-	-	-
KING WHITING OR "KINGFISH"	-	-	2,200	274	-	-	-	-
MACKEREL	-	-	108,800	17,428	-	-	-	-
MENHADEN	-	-	83,197,400	838,046	-	-	-	-
POLLOCK	-	-	1,700	128	-	-	-	-
SCUP OR PORGY	-	-	3,716,800	219,811	-	-	-	-
SEA BASS	-	-	265,900	50,428	-	-	-	-
SEA ROBIN	-	-	3,500	70	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY	-	-	65,600	10,764	-	-	-	-
SHAD	105,800	16,312	25,300	5,044	69,200	8,692	45,500	7,322
SHARKS:								
GRAYFISH	-	-	18,300	705	-	-	-	-
UNCLASSIFIED	-	-	2,400	116	-	-	-	-
SILVERSIDES	-	-	63,000	8,930	-	-	-	-
SKATES	-	-	17,900	590	-	-	-	-
STRIPED BASS	74,300	7,035	577,100	130,180	300	69	56,300	5,940
STURGEON	1,800	417	10,000	2,385	100	36	1,100	148
SUCKERS	-	-	-	-	100	15	200	29
SUNFISH	-	-	-	-	100	20	-	-
SWELLFISH	-	-	297,000	15,881	-	-	-	-
SWORDFISH	-	-	49,300	27,502	-	-	-	-
TAUTOG	-	-	9,300	465	-	-	-	-
TILEFISH	-	-	4,000	480	-	-	-	-
TOMCOD	100	30	-	-	800	240	-	-
TUNA:								
BLUEFIN	-	-	7,500	1,252	-	-	-	-
LITTLE	-	-	1,000	50	-	-	-	-
WHITE PERCH	1,900	198	13,600	2,552	300	30	1,500	155
WHITING	-	-	499,800	18,041	-	-	-	-
YELLOW PERCH	200	30	-	-	100	15	-	-
UNCLASSIFIED:								
FOR FOOD	-	-	269,800	26,980	-	-	-	-
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	1,168,400	11,684	-	-	-	-
LOBSTERS, NORTHERN	-	-	312,600	114,598	-	-	-	-
CLAMS:								
HARD:								
PUBLIC	-	-	1,638,800	1,007,767	-	-	-	-
PRIVATE	-	-	1,352,100	831,469	-	-	-	-
RAZOR	-	-	5,900	1,450	-	-	-	-
SOFT, PUBLIC	-	-	147,600	42,407	-	-	-	-
CONCHS	-	-	25,700	5,151	-	-	-	-
OYSTERS, MARKET, PRIVATE:								
SPRING	-	-	282,600	301,622	-	-	-	-
FALL	-	-	218,600	254,996	-	-	-	-
SCALLOPS:								
BAY	-	-	843,000	673,642	-	-	-	-
SEA	-	-	759,100	265,518	-	-	-	-
SQUID	-	-	513,100	33,760	-	-	-	-
TOTAL	207,600	25,928	102,497,100	5,684,960	84,400	9,770	116,700	14,546

MIDDLE ATLANTIC FISHERIES

NEW JERSEY

OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	STOP SEINES	PURSE SEINES	
			MENHADEN	OTHER
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	-	-	476	79
ON BOATS AND SHORE:				
REGULAR	7	-	-	-
CASUAL	17	4	-	-
TOTAL	24	4	476	79
VESSELS, MOTOR	-	-	28	9
GROSS TONNAGE	-	-	5,458	223
BOATS:				
MOTOR	16	4	-	-
OTHER	2	-	-	-
ACCESSORY BOATS	-	-	84	18
GEAR:				
NUMBER	16	4	28	9
LENGTH, YARDS	2,427	1,600	10,810	2,270

ITEM	BEAM TRAWLS	OTTER TRAWLS, FISH	WEIRS	POUND NETS, FISH	HOOP AND FYKE NETS, FISH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	681	-	64	-
ON BOATS AND SHORE:					
REGULAR	-	23	3	36	3
CASUAL	9	6	2	4	5
TOTAL	9	710	5	104	8
VESSELS, MOTOR	-	195	-	18	-
GROSS TONNAGE	-	8,207	-	149	-
BOATS:					
MOTOR	9	14	3	9	8
OTHER	-	-	3	-	-
GEAR:					
NUMBER	9	209	6	59	13
YARDS AT MOUTH	26	4,805	-	-	-

ITEM	POTS AND TRAPS				
	CRAB	EEL	FISH	LOBSTER	TURTLE
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	18	-	15	18	-
ON BOATS AND SHORE:					
REGULAR	43	6	45	10	-
CASUAL	13	16	10	-	6
TOTAL	74	22	70	28	6
VESSELS, MOTOR	10	-	8	9	-
GROSS TONNAGE	104	-	78	97	-
BOATS:					
MOTOR	38	19	38	5	6
OTHER	4	2	-	-	-
GEAR, NUMBER	3,770	495	18,945	3,420	120

ITEM	GILL NETS				
	ANCHOR	DRIFT		RUNAROUND	STAKE
		SHAD	OTHER		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	3	1	47	17	18
ON BOATS AND SHORE:					
REGULAR	6	5	28	36	45
CASUAL	-	1	18	10	49
TOTAL	9	7	93	63	112
VESSELS, MOTOR	1	1	21	8	8
GROSS TONNAGE	12	8	298	88	87
BOATS:					
MOTOR	3	4	23	24	43
OTHER	-	-	-	-	21
GEAR:					
NUMBER	5	6	47	32	66
SQUARE YARDS	27,555	6,826	296,115	178,040	116,912

(CONTINUED ON NEXT PAGE)

NEW JERSEY - OPERATING UNITS BY GEAR, 1960 - Continued

ITEM	LINES				PUSH NETS	HARPOONS
	HAND	TROLL	LONG OR SET WITH HOOKS	TROT WITH BAITS		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	24	122	-	-	12
ON BOATS AND SHORE:						
REGULAR	10	20	78	3	-	3
CASUAL	27	75	12	13	12	-
TOTAL	37	119	212	16	12	15
VESSELS, MOTOR	-	12	53	-	-	3
GROSS TONNAGE	-	134	779	-	-	172
BOATS:						
MOTOR	18	49	45	16	-	1
OTHER	-	-	-	-	12	-
GEAR:						
NUMBER	65	263	98	16	12	7
HOOKS OR BAITS	65	263	264,400	7,000	-	-

ITEM	SPEARS	DREDGES				
		CLAM	CRAB	OYSTER, COMMON	SCALLOP	OTHER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	274	81	67	265	22
ON BOATS AND SHORE:						
REGULAR	2	14	48	18	-	-
CASUAL	3	1	-	9	-	-
TOTAL	5	289	129	94	265	22
VESSELS, MOTOR	-	95	31	13	25	8
GROSS TONNAGE	-	2,990	725	359	1,677	318
BOATS:						
MOTOR	3	8	33	17	-	-
OTHER	1	-	-	-	-	-
GEAR:						
NUMBER	5	156	143	56	50	8
YARDS AT MOUTH	-	169	168	56	174	26

ITEM	TONGS		RAKES	HOES	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	OYSTER	OTHER				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	-	7	-	-	1,902
ON BOATS AND SHORE:						
REGULAR	52	374	275	20	153	754
CASUAL	12	740	562	60	429	1,310
TOTAL	64	1,114	844	80	582	3,966
VESSELS, MOTOR	-	-	3	-	-	399
GROSS TONNAGE	-	-	36	-	-	18,575
BOATS:						
MOTOR	64	809	614	42	402	1,325
OTHER	-	228	136	9	74	330
ACCESSORY BOATS	-	-	-	-	-	102
GEAR, NUMBER	64	1,114	844	80	-	-

NEW JERSEY - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		STOP SEINES		PURSE SEINES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	600	$7	-	-	-	-
BLUEFISH	-	-	-	-	33,000	$6,059
BONITO	-	-	-	-	2,500	206
CARP	600	30	31,100	$2,108	-	-
CATFISH	18,600	1,532	-	-	-	-
CROAKER	-	-	-	-	2,300	533
DRUM, BLACK	-	-	-	-	53,800	1,079
FLOUNDERS, BLACKBACK	100	3	-	-	-	-
MENHADEN	-	-	-	-	291,170,900	2,806,165
MULLET	19,700	3,940	-	-	-	-
SCUP OR PORGY	-	-	-	-	3,726,400	242,998
SEA TROUT OR WEAKFISH, GRAY	-	-	-	-	23,800	2,328
SHAD	3,000	591	-	-	-	-
STRIPED BASS	25,100	8,432	-	-	200	36
TAUTOG	-	-	-	-	100	4
WHITE PERCH	27,500	2,816	-	-	-	-
UNCLASSIFIED, FOR FOOD	-	-	-	-	2,400	107
TOTAL	95,200	17,351	31,100	2,108	295,015,400	3,059,515

SPECIES	BEAM TRAWLS		OTTER TRAWLS		WEIRS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
AMBERJACK	-	-	100	$3	-	-
ANGLERFISH	-	-	1,100	17	-	-
BLUEFISH	-	-	62,500	10,415	-	-
BONITO	-	-	800	99	-	-
BUTTERFISH	-	-	2,263,900	140,063	-	-
COD	-	-	392,200	29,140	-	-
CROAKER	-	-	4,500	674	100	$20
EELS:						
COMMON	-	-	-	-	11,400	4,195
CONGER	-	-	3,400	113	-	-
FLOUNDERS:						
GRAY SOLE	-	-	28,800	1,936	-	-
YELLOWTAIL	-	-	11,100	565	-	-
BLACKBACK	-	-	68,500	2,850	-	-
FLUKE	-	-	6,289,500	959,216	5,000	640
UNCLASSIFIED	-	-	20,000	1,453	-	-
HADDOCK	-	-	1,100	84	-	-
HAKE:						
RED	-	-	950,200	22,637	-	-
WHITE	-	-	44,700	2,083	-	-
HERRING, SEA	-	-	55,300	867	-	-
KING WHITING OR "KINGFISH"	-	-	29,900	2,142	-	-
MACKEREL	-	-	1,300	308	-	-
MULLET	-	-	200	6	-	-
POLLOCK	-	-	2,400	124	-	-
SCUP OR PORGY	-	-	9,465,700	529,280	-	-
SEA BASS	-	-	1,226,500	191,797	-	-
SEA TROUT OR WEAKFISH, GRAY	-	-	417,100	30,468	100	20
SHAD	-	-	1,100	131	-	-
SHARKS:						
GRAYFISH	-	-	2,800	97	-	-
UNCLASSIFIED	-	-	6,600	322	-	-
SKATES	-	-	300	5	-	-
STRIPED BASS	-	-	8,200	1,679	800	129
STURGEON	-	-	4,200	946	-	-
SWELLFISH	-	-	12,000	813	-	-
TAUTOG	-	-	3,600	122	-	-
TILEFISH	-	-	45,100	2,385	-	-
WHITE PERCH	-	-	4,300	615	1,700	171
WHITING	-	-	3,583,600	119,969	-	-
UNCLASSIFIED:						
FOR FOOD	-	-	500	53	-	-
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	742,500	10,655	-	-
CRABS:						
BLUE, HARD	-	-	-	-	1,700	230
ROCK	-	-	12,000	595	-	-
HORSESHOE CRABS	-	-	-	-	585,500	4,342
LOBSTERS, NORTHERN	-	-	1,192,100	381,102	-	-
SHRIMP	3,800	$3,800	-	-	-	-
CONCHS	-	-	1,500	293	-	-
SCALLOPS, SEA	-	-	6,800	2,340	-	-
SQUID	-	-	172,500	11,437	-	-
TOTAL	3,800	3,800	27,140,500	2,459,899	606,300	9,747

(CONTINUED ON NEXT PAGE)

NEW JERSEY - CATCH BY GEAR, 1960 - Continued

SPECIES	POUND NETS		HOOP AND FYKE NETS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	2,400	$96	-	-
BLUEFISH	39,700	$8,021	-	-	-	-
BONITO	16,800	2,552	-	-	-	-
BUTTERFISH	78,900	3,859	-	-	-	-
COD	2,700	197	-	-	-	-
CROAKER	1,100	272	-	-	-	-
DRUM, BLACK	1,700	116	-	-	-	-
EELS:						
COMMON	500	71	-	-	27,500	$5,057
CONGER	-	-	-	-	400	10
FLOUNDERS:						
BLACKBACK	-	-	27,200	2,677	10,000	1,100
FLUKE	44,300	5,278	-	-	-	-
GRUNTS	-	-	-	-	700	37
HAKE, RED	63,200	1,362	-	-	5,100	130
HERRING, SEA	268,300	4,808	-	-	-	-
KING WHITING OR "KINGFISH"	2,200	221	-	-	200	18
MACKEREL	19,600	4,568	-	-	-	-
MENHADEN	14,346,400	137,518	-	-	-	-
PILOT FISH	200	10	-	-	-	-
SCUP OR PORGY	475,000	23,327	-	-	200	7
SEA BASS	5,500	668	-	-	973,400	169,315
SEA ROBIN	17,800	267	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY	69,900	8,507	-	-	-	-
SHAD	201,400	29,772	-	-	-	-
SHARKS, GRAYFISH	1,600	33	-	-	-	-
SKATES	3,500	54	-	-	-	-
SPOT	200	18	-	-	-	-
STRIPED BASS	1,400	298	200	36	-	-
STURGEON	2,900	776	-	-	-	-
SWELLFISH	22,100	1,519	-	-	-	-
TAUTOG	800	31	-	-	22,000	654
THIMBLE-EYED MACKEREL	153,000	7,681	-	-	-	-
TUNA:						
BLUEFIN	2,100	219	-	-	-	-
LITTLE	1,200	50	-	-	-	-
WHITE PERCH	-	-	10,300	1,246	4,200	504
WHITING	227,500	6,326	-	-	-	-
UNCLASSIFIED, FOR FOOD	1,700	98	-	-	2,500	93
CRABS:						
BLUE:						
HARD	-	-	-	-	1,037,900	124,542
SOFT AND PEELER	-	-	-	-	16,500	3,300
ROCK	-	-	-	-	100	4
LOBSTERS, NORTHERN	-	-	-	-	177,700	94,153
CONCHS	-	-	-	-	100	24
SQUID	3,500	278	-	-	-	-
TURTLES:						
LOGGERHEAD	800	80	-	-	-	-
SNAPPER	-	-	-	-	15,000	1,800
TOTAL	16,077,500	248,855	40,100	4,055	2,293,500	400,748

SPECIES	GILL NETS							
	ANCHOR		DRIFT		RUNAROUND		STAKE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	-	-	100	$27	190,600	$34,920	-	-
BONITO	-	-	-	-	16,800	2,232	-	-
BUTTERFISH	-	-	100	10	500	55	-	-
CATFISH	-	-	-	-	1,000	76	-	-
COD	-	-	200	13	-	-	-	-
CROAKER	-	-	-	-	100	20	-	-
DRUM, BLACK	-	-	-	-	300	30	-	-
HAKE, RED	-	-	-	-	100	5	-	-
KING WHITING OR "KINGFISH"	-	-	-	-	100	13	-	-
MACKEREL	-	-	152,000	23,299	100	8	-	-
MENHADEN	-	-	407,100	13,259	700	10	1,600	$12
SCUP OR PORGY	-	-	-	-	400	38	-	-
SEA TROUT OR WEAKFISH, GRAY	-	-	200	25	13,300	1,388	-	-
SHAD	18,400	$2,781	8,200	2,066	-	-	548,500	88,812
SHARKS, UNCLASSIFIED	-	-	1,000	36	900	37	-	-
SPOT	-	-	-	-	100	16	-	-
STRIPED BASS	200	32	12,700	2,395	5,200	725	52,300	9,540
STURGEON	-	-	-	-	-	-	200	62
TAUTOG	-	-	-	-	100	4	-	-
TUNA, LITTLE	-	-	-	-	400	20	-	-
WHITE PERCH	-	-	1,000	112	6,500	894	3,000	292
WHITING	-	-	9,500	250	-	-	-	-
UNCLASSIFIED:								
FOR FOOD	-	-	100	9	100	13	-	-
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	400	4	-	-	-	-
TURTLES, LOGGERHEAD	-	-	-	-	300	45	-	-
TOTAL	18,600	2,813	592,600	41,505	237,600	40,549	605,600	98,718

(CONTINUED ON NEXT PAGE)

NEW JERSEY - CATCH BY GEAR, 1960 - Continued

SPECIES	LINES							
	HAND		TROLL		LONG OR SET WITH HOOKS		TROT WITH BAITS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	72,400	$13,423	44,800	$11,349	-	-	-	-
BONITO	3,500	418	4,600	430	-	-	-	-
BUTTERFISH	100	10	-	-	-	-	-	-
COD	16,400	1,246	-	-	3,142,300	$268,663	-	-
EELS, CONGER	-	-	-	-	100	3	-	-
FLOUNDERS, FLUKE	100	22	-	-	-	-	-	-
HAKE, RED	100	3	-	-	2,100	54	-	-
MACKEREL	100	21	2,300	609	-	-	-	-
SCUP OR PORGY	1,300	80	100	6	300	21	-	-
SEA BASS	400	100	-	-	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY	1,600	127	100	16	-	-	-	-
SHARKS, UNCLASSIFIED	-	-	-	-	200	19	-	-
STRIPED BASS	-	-	8,200	1,822	-	-	-	-
TAUTOG	100	3	-	-	100	3	-	-
TUNA:								
BLUEFIN	-	-	3,300	465	-	-	-	-
LITTLE	-	-	300	10	-	-	-	-
WHITING	-	-	100	3	200	20	-	-
UNCLASSIFIED, FOR FOOD	-	-	100	8	200	10	-	-
CRABS, BLUE, HARD	-	-	-	-	-	-	70,200	$8,778
TOTAL	96,100	15,453	63,900	14,718	3,145,500	268,793	70,200	8,778

SPECIES	PUSH NETS		HARPOONS		SPEARS		DREDGES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
EELS, COMMON	-	-	-	-	2,100	$447	-	-
FLOUNDERS:								
GRAY SOLE	-	-	-	-	-	-	800	$44
YELLOWTAIL	-	-	-	-	-	-	800	37
BLACKBACK	-	-	-	-	-	-	300	13
FLUKE	-	-	-	-	-	-	16,400	2,302
SWORDFISH	-	-	19,600	$9,410	-	-	-	-
UNCLASSIFIED, FOR FOOD	-	-	-	-	-	-	100	5
CRABS, BLUE, HARD	-	-	-	-	-	-	423,100	41,342
LOBSTERS, NORTHERN	-	-	-	-	-	-	300	72
SHRIMP	1,600	$1,600	-	-	-	-	-	-
CLAMS:								
HARD:								
PUBLIC	-	-	-	-	-	-	211,200	70,669
PRIVATE	-	-	-	-	-	-	3,100	991
SOFT, PUBLIC	-	-	-	-	-	-	1,300	525
SURF	-	-	-	-	-	-	23,447,500	1,546,261
CONCHS	-	-	-	-	-	-	310,400	52,574
OYSTERS, MARKET, PRIVATE:								
SPRING	-	-	-	-	-	-	16,800	16,247
FALL	-	-	-	-	-	-	104,400	98,191
SCALLOPS, SEA	-	-	-	-	-	-	559,600	175,025
TOTAL	1,600	1,600	19,600	9,410	2,100	447	25,096,100	2,004,298

SPECIES	TONGS		RAKES		HOES		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CLAMS:								
HARD, PUBLIC	836,600	$297,407	690,900	$247,201	-	-	810,000	$283,490
SOFT, PUBLIC	-	-	-	-	11,800	$4,925	32,000	13,320
OYSTERS, MARKET:								
PUBLIC:								
SPRING	11,000	10,755	-	-	-	-	-	-
FALL	9,000	8,817	-	-	-	-	2,700	2,925
PRIVATE:								
SPRING	16,900	16,509	-	-	-	-	-	-
FALL	6,000	6,504	-	-	-	-	-	-
TERRAPIN	-	-	3,900	1,328	-	-	-	-
TURTLES:								
SLIDER	-	-	900	45	-	-	-	-
SNAPPER	-	-	3,000	360	-	-	-	-
TOTAL	879,500	339,992	698,700	248,934	11,800	4,925	844,700	299,735

NEW JERSEY - OPERATING UNITS BY COUNTIES, 1960

ITEM	ATLANTIC	BERGEN	BURLINGTON	CAPE MAY	CUMBERLAND	GLOUCESTER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	192	-	10	769	108	-
ON BOATS AND SHORE:						
REGULAR	162	9	36	89	54	-
CASUAL.	320	23	100	216	46	20
TOTAL	674	32	146	1,074	208	20
VESSELS, MOTOR.	46	-	2	147	32	-
GROSS TONNAGE	1,688	-	30	8,220	859	-
BOATS:						
MOTOR	326	3	74	179	62	6
OTHER	39	7	30	34	24	-
ACCESSORY BOATS	2	-	-	27	-	-
GEAR:						
HAUL SEINES, COMMON . .	5	-	-	6	3	-
LENGTH, YARDS	1,500	-	-	440	420	-
STOP SEINES	-	-	-	-	4	-
LENGTH, YARDS	-	-	-	-	1,600	-
PURSE SEINES:						
MENHADEN.	-	-	-	9	-	-
LENGTH, YARDS . . .	-	-	-	3,390	-	-
OTHER	1	-	-	-	-	-
LENGTH, YARDS . . .	250	-	-	-	-	-
OTTER TRAWLS, FISH. . .	32	-	-	107	-	-
YARDS AT MOUTH. . . .	866	-	-	2,688	-	-
WEIRS	-	-	-	6	-	-
HOOP AND FYKE NETS, FISH	3	-	4	-	-	-
POUND NETS, FISH. . . .	2	-	-	2	-	-
POTS AND TRAPS:						
CRAB.	-	-	-	-	3,262	-
EEL	45	-	-	45	-	-
FISH.	900	-	-	9,880	-	-
TURTLE.	-	-	-	-	-	120
GILL NETS:						
ANCHOR.	2	-	-	3	-	-
SQUARE YARDS. . . .	14,000	-	-	13,555	-	-
DRIFT:						
SHAD.	-	1	-	-	-	-
SQUARE YARDS. . .	-	694	-	-	-	-
OTHER	13	-	-	9	11	-
SQUARE YARDS. . .	101,775	-	-	69,088	19,997	-
RUNAROUND.	4	-	-	8	3	-
SQUARE YARDS. . . .	18,499	-	-	30,831	1,998	-
STAKE	-	9	-	13	40	-
SQUARE YARDS. . . .	-	26,620	-	31,142	53,267	-
LINES:						
HAND.	4	-	-	28	-	-
HOOKS	4	-	-	28	-	-
TROLL	24	-	-	173	-	-
HOOKS	24	-	-	173	-	-
LONG OR SET WITH HOOKS	26	-	-	32	-	-
HOOKS.	72,400	-	-	87,800	-	-
TROT WITH BAITS . . .	-	-	-	-	12	-
BAITS	-	-	-	-	5,400	-
PUSH NETS	12	-	-	-	-	-
HARPOONS.	-	-	-	4	-	-
SPEARS.	-	-	-	3	-	-
DREDGES:						
CLAM.	5	-	-	3	12	-
YARDS AT MOUTH. . .	6	-	-	3	12	-
CRAB.	8	-	-	-	32	-
YARDS AT MOUTH. . .	9	-	-	-	33	-
OYSTER, COMMON. . . .	16	-	6	-	16	-
YARDS AT MOUTH. . .	16	-	6	-	16	-
SCALLOP	12	-	-	32	-	-
YARDS AT MOUTH. . .	41	-	-	112	-	-
OTHER	-	-	-	6	-	-
YARDS AT MOUTH. . .	-	-	-	20	-	-
TONGS:						
OYSTER.	24	-	20	10	-	-
OTHER	250	-	75	160	-	-
RAKES	235	-	35	150	7	20

(CONTINUED ON NEXT PAGE)

NEW JERSEY - OPERATING UNITS BY COUNTIES, 1960 - Continued

ITEM	HUDSON	MONMOUTH	OCEAN	SALEM
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	-	426	389	4
ON BOATS AND SHORE:				
REGULAR	-	146	252	6
CASUAL	15	122	440	8
TOTAL	15	694	1,081	18
VESSELS, MOTOR	-	75	94	2
GROSS TONNAGE	-	3,411	4,336	16
BOATS:				
MOTOR	8	159	499	9
OTHER	-	13	182	1
ACCESSORY BOATS	-	53	20	-
GEAR:				
HAUL SEINES, COMMON	-	-	2	-
LENGTH, YARDS	-	-	67	-
PURSE SEINES:				
MENHADEN	-	13	6	-
LENGTH, YARDS	-	5,020	2,400	-
OTHER	-	7	1	-
LENGTH, YARDS	-	1,770	250	-
BEAM TRAWLS	-	-	9	-
YARDS AT MOUTH	-	-	26	-
OTTER TRAWLS, FISH	-	45	26	-
YARDS AT MOUTH	-	619	647	-
HOOP AND FYKE NETS, FISH	-	-	6	-
POUND NETS, FISH	-	53	2	-
POTS AND TRAPS:				
CRAB	-	-	-	508
EEL	-	245	130	30
FISH	-	1,050	7,115	-
LOBSTER	-	2,470	950	-
GILL NETS:				
DRIFT:				
SHAD	-	-	1	4
SQUARE YARDS	-	-	800	5,332
OTHER	-	4	8	2
SQUARE YARDS	-	26,333	74,922	4,000
RUNAROUND	-	10	7	-
SQUARE YARDS	-	86,604	40,108	-
STAKE	4	-	-	-
SQUARE YARDS	5,883	-	-	-
LINES:				
HAND	-	12	21	-
HOOKS	-	12	21	-
TROLL	-	36	30	-
HOOKS	-	36	30	-
LONG OR SET WITH HOOKS	-	9	31	-
HOOKS	-	24,000	80,200	-
TROT WITH BAITS	-	-	-	4
BAITS	-	-	-	1,600
HARPOONS	-	-	3	-
SPEARS	-	2	-	-
DREDGES:				
CLAM	-	94	42	-
YARDS AT MOUTH	-	94	54	-
CRAB	-	23	80	-
YARDS AT MOUTH	-	46	80	-
OYSTER, COMMON	-	-	18	-
YARDS AT MOUTH	-	-	18	-
SCALLOP	-	-	6	-
YARDS AT MOUTH	-	-	21	-
OTHER	-	-	2	-
YARDS AT MOUTH	-	-	6	-
TONGS:				
OYSTER	-	-	10	-
OTHER	-	19	610	-
RAKES	-	102	295	-
HOES	-	80	-	-

NEW JERSEY - CATCH BY COUNTIES, 1960

SPECIES	ATLANTIC		BERGEN		BURLINGTON		CAPE MAY	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	600	$7	-	-	400	$16	-	-
AMBERJACK	100	3	-	-	-	-	-	-
ANGLERFISH	-	-	-	-	-	-	200	$5
BLUEFISH	23,500	2,803	-	-	-	-	76,600	16,382
BONITO	500	45	-	-	-	-	8,500	811
BUTTERFISH	451,800	27,376	-	-	-	-	1,606,600	93,796
CATFISH	-	-	-	-	-	-	700	63
COD	1,113,600	83,692	-	-	-	-	1,106,800	96,347
CROAKER	2,800	316	-	-	-	-	700	105
DRUM, BLACK	200	21	-	-	-	-	300	30
EELS:								
COMMON	1,800	270	-	-	-	-	15,800	4,876
CONGER	1,200	38	-	-	-	-	2,300	61
FLOUNDERS:								
GRAY SOLE	10,000	502	-	-	-	-	6,300	532
YELLOWTAIL	800	33	-	-	-	-	9,200	494
BLACKBACK	15,200	1,001	-	-	8,100	891	12,600	597
FLUKE	2,110,800	311,141	-	-	-	-	3,541,800	524,995
UNCLASSIFIED	3,700	195	-	-	-	-	16,300	1,258
GRUNTS	-	-	-	-	-	-	700	37
HADDOCK	-	-	-	-	-	-	900	72
HAKE:								
RED	16,900	347	-	-	-	-	632,000	14,645
WHITE	17,500	620	-	-	-	-	15,700	830
HERRING, SEA	900	18	-	-	-	-	-	-
KING WHITING OR "KINGFISH"	12,300	758	-	-	-	-	19,300	1,562
MACKEREL	26,000	3,557	-	-	-	-	100,500	13,470
MENHADEN	5,100	154	-	-	-	-	109,073,100	1,047,446
MULLET	2,000	366	-	-	-	-	14,800	2,960
POLLOCK	400	17	-	-	-	-	600	32
SCUP OR PORGY	785,500	42,595	-	-	-	-	5,207,200	261,692
SEA BASS	398,300	62,449	-	-	-	-	1,298,600	204,111
SEA TROUT OR WEAKFISH, GRAY	127,500	12,557	-	-	-	-	370,300	26,321
SHAD	14,600	2,102	247,800	$38,407	-	-	36,200	5,545
SHARKS:								
GRAYFISH	1,000	21	-	-	-	-	600	12
UNCLASSIFIED	200	5	-	-	-	-	6,100	312
SKATES	1,500	23	-	-	-	-	1,600	24
STRIPED BASS	9,400	1,822	-	-	-	-	16,500	3,062
STURGEON	600	100	-	-	-	-	2,700	683
SWELLFISH	21,300	1,485	-	-	-	-	6,300	495
SWORDFISH	-	-	-	-	-	-	1,000	554
TAUTOG	600	24	-	-	-	-	23,400	693
THIMBLE-EYED MACKEREL	-	-	-	-	-	-	4,700	235
TILEFISH	19,500	832	-	-	-	-	6,800	516
TUNA:								
BLUEFIN	600	74	-	-	-	-	2,100	286
LITTLE	-	-	-	-	-	-	300	10
WHITE PERCH	11,900	1,303	-	-	4,300	516	9,800	1,129
WHITING	140,800	3,568	-	-	-	-	1,873,000	47,443
UNCLASSIFIED:								
FOR FOOD	100	9	-	-	-	-	2,600	99
BAIT, REDUCTION AND ANIMAL FOOD	-	-	-	-	-	-	20,400	204
CRABS:								
BLUE, HARD	6,800	762	-	-	-	-	1,700	230
ROCK	6,400	319	-	-	-	-	400	27
HORSESHOE CRABS	-	-	-	-	-	-	585,500	4,342
LOBSTERS, NORTHERN	680,600	213,493	-	-	-	-	203,900	59,163
SHRIMP	1,600	1,600	-	-	-	-	-	-
CLAMS:								
HARD:								
PUBLIC	793,800	280,137	-	-	89,400	31,768	58,200	20,381
PRIVATE	-	-	-	-	1,100	371	-	-
SURF	299,100	20,125	-	-	-	-	340,000	25,190
CONCHS	1,700	323	-	-	-	-	308,800	52,337
OYSTERS, MARKET:								
PUBLIC:								
SPRING	-	-	-	-	-	-	3,700	3,400
FALL	2,700	2,925	-	-	-	-	2,300	2,275
PRIVATE:								
SPRING	7,200	7,032	-	-	10,800	10,735	-	-
FALL	12,100	11,984	-	-	13,400	14,790	-	-
SCALLOPS, SEA	268,500	81,270	-	-	-	-	286,700	92,409
SQUID	108,100	6,381	-	-	-	-	2,300	183
TOTAL	7,539,700	1,188,600	247,800	38,407	127,500	59,087	126,946,000	2,634,769

(CONTINUED ON NEXT PAGE)

NEW JERSEY - CATCH BY COUNTIES, 1960 - Continued

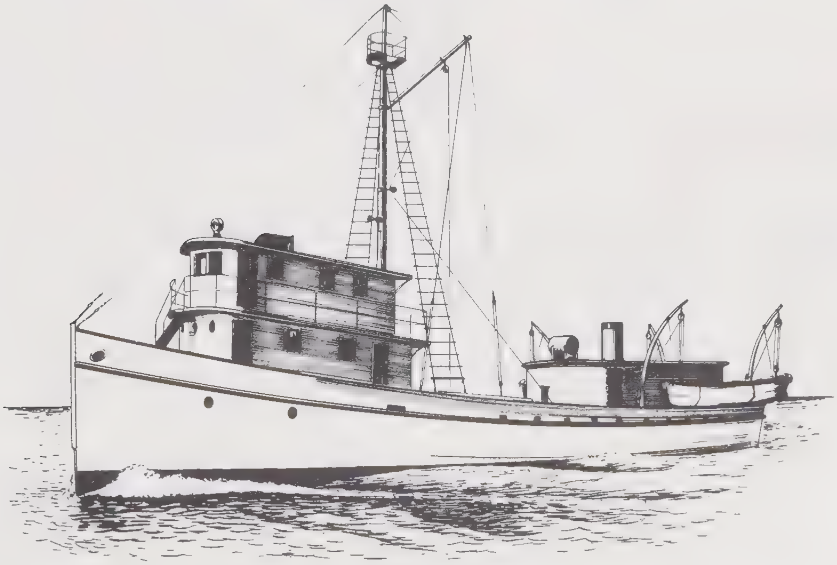
SPECIES	CUMBERLAND		GLOUCESTER		HUDSON	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	100	$12	-	-	-	-
CARP	31,700	2,138	-	-	-	-
CATFISH	18,900	1,545	-	-	-	-
MENHADEN	403,500	13,187	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY	300	33	-	-	-	-
SHAD	75,100	15,663	-	-	201,900	$31,290
STRIPED BASS	71,600	16,658	-	-	-	-
STURGEON	200	62	-	-	-	-
WHITE PERCH	25,500	2,778	-	-	-	-
CRABS, BLUE:						
HARD	1,191,800	136,603	-	-	-	-
SOFT AND PEELER	16,300	3,260	-	-	-	-
CLAMS, HARD:						
PUBLIC	23,900	7,395	-	-	-	-
PRIVATE	2,000	620	-	-	-	-
OYSTERS, MARKET, PRIVATE:						
SPRING	6,700	6,225	-	-	-	-
FALL	74,300	65,798	-	-	-	-
TERRAPIN	2,400	803	1,500	$525	-	-
TURTLES:						
SLIDER	-	-	900	45	-	-
SNAPPER	-	-	18,000	2,160	-	-
TOTAL	1,944,300	272,780	20,400	2,730	201,900	31,290

SPECIES	MONMOUTH		OCEAN		SALEM	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	2,000	$80	-	-
ANGLERFISH	-	-	900	12	-	-
BLUEFISH	148,000	$29,422	194,900	35,595	-	-
BONITO	20,000	2,971	16,000	2,110	-	-
BUTTERFISH	14,900	1,046	270,200	21,779	-	-
COD	433,800	40,436	899,600	78,784	-	-
CROAKER	4,100	955	500	143	-	-
DRUM, BLACK	54,100	1,105	1,200	69	-	-
EELS:						
COMMON	14,100	2,627	8,200	1,517	1,600	$480
CONGER	-	-	400	27	-	-
FLOUNDERS:						
GRAY SOLE	-	-	13,300	946	-	-
YELLOWTAIL	-	-	1,900	75	-	-
BLACKBACK	3,600	290	66,600	3,864	-	-
FLUKE	56,500	7,469	646,200	123,853	-	-
HADDOCK	-	-	200	12	-	-
HAKE:						
RED	27,700	1,048	344,200	8,151	-	-
WHITE	-	-	11,500	633	-	-
HERRING, SEA	214,900	4,213	107,800	1,444	-	-
KING WHITING OR "KINGFISH"	100	13	700	61	-	-
MACKEREL	10,400	2,676	38,500	9,110	-	-
MENHADEN	123,894,800	1,197,823	72,550,200	698,354	-	-
MULLET	-	-	3,100	620	-	-
PILOT FISH	-	-	200	10	-	-
POLLOCK	-	-	1,400	75	-	-
SCUP OR PORGY	5,752,500	369,039	1,924,200	122,431	-	-
SEA BASS	69,200	12,547	439,700	82,773	-	-
SEA ROBIN	6,400	96	11,400	171	-	-
SEA TROUT OR WEAKFISH, GRAY	3,100	455	24,900	3,513	-	-
SHAD	182,900	26,573	17,900	3,103	4,200	1,470
SHARKS:						
GRAYFISH	-	-	2,800	97	-	-
UNCLASSIFIED	-	-	2,400	97	-	-
SKATES	700	12	-	-	-	-
SPOT	300	34	-	-	-	-
STRIPED BASS	9,500	2,106	2,100	396	5,400	1,080
STURGEON	2,700	710	1,100	229	-	-
SWELLFISH	1,900	106	4,600	246	-	-
SWORDFISH	-	-	18,600	8,856	-	-
TAUTOG	2,800	104	-	-	-	-
THIMBLE-EYED MACKEREL	19,200	972	129,100	6,474	-	-

(CONTINUED ON NEXT PAGE)

NEW JERSEY - CATCH BY COUNTIES, 1960 - Continued

SPECIES	MONMOUTH		OCEAN		SALEM	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
TILEFISH	-	-	18,800	$1,037	-	-
TUNA:						
BLUEFIN	1,000	$149	1,700	175	-	-
LITTLE	400	20	1,200	50	-	-
WHITE PERCH	-	-	7,000	924	-	-
WHITING	188,900	10,307	1,618,200	65,250	-	-
UNCLASSIFIED:						
FOR FOOD	3,100	148	1,900	140	-	-
BAIT, REDUCTION, AND ANIMAL FOOD	40,900	715	681,600	9,740	-	-
CRABS:						
BLUE:						
HARD	27,700	3,446	175,600	18,290	129,300	$15,561
SOFT AND PEELER	-	-	-	-	200	40
ROCK	-	-	5,300	253	-	-
LOBSTERS, NORTHERN	105,500	56,527	380,100	146,144	-	-
SHRIMP	-	-	3,800	3,800	-	-
CLAMS:						
HARD, PUBLIC	411,200	144,047	1,172,200	415,039	-	-
SOFT, PUBLIC	45,100	18,770	-	-	-	-
SURF	149,600	11,000	22,658,800	1,489,946	-	-
CONCHS	-	-	1,500	231	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	-	-	7,300	7,355	-	-
FALL	-	-	6,700	6,542	-	-
PRIVATE:						
SPRING	-	-	9,000	8,764	-	-
FALL	-	-	10,600	12,123	-	-
SCALLOPS, SEA	-	-	11,200	3,686	-	-
SQUID	200	12	65,400	5,139	-	-
TURTLES, LOGGERHEAD	1,100	125	-	-	-	-
TOTAL	131,922,900'	1,950,114'	104,596,400	3,410,338'	140,700'	18,631'



MENHADEN PURSE SEINER

MIDDLE ATLANTIC FISHERIES

DELAWARE

OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	PURSE SEINES, MENHADEN	OTTER TRAWLS, FISH	HOOP AND FYKE NETS, FISH	POTS AND TRAPS
					CRAB
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	247	13	-	-
ON BOATS AND SHORE:					
REGULAR	6	-	-	4	39
CASUAL	16	-	-	25	18
TOTAL	22	247	13	29	57
VESSELS, MOTOR	-	13	6	-	-
GROSS TONNAGE	-	2,555	143	-	-
BOATS:					
MOTOR	7	-	-	21	32
OTHER	5	-	-	-	-
ACCESSORY BOATS	-	39	-	-	-
GEAR:					
NUMBER	6	13	6	85	4,250
LENGTH, YARDS	1,780	4,470	-	-	-
YARDS AT MOUTH	-	-	131	-	-

ITEM	POTS AND TRAPS - CONTINUED		GILL NETS		
	EEL	TURTLE	ANCHOR	DRIFT	
				SHAD	OTHER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	2	8	4	2	-
CASUAL	2	3	13	12	3
TOTAL	4	11	17	14	3
BOATS, MOTOR	3	7	9	12	3
GEAR:					
NUMBER	125	167	9	12	3
SQUARE YARDS	-	-	11,000	7,000	2,750

ITEM	GILL NETS - CONTINUED		LINES		DREDGES	
	RUNAROUND	STAKE	LONG OR SET WITH HOOKS	TROT WITH BAITS	CLAM	CRAB
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	-	-	-	49	36
ON BOATS AND SHORE:						
REGULAR	3	26	-	3	3	-
CASUAL	-	23	3	-	-	-
TOTAL	3	49	3	3	52	36
VESSELS, MOTOR	-	-	-	-	18	14
GROSS TONNAGE	-	-	-	-	672	304
BOATS, MOTOR	2	26	3	2	1	-
GEAR:						
NUMBER	2	26	3	2	31	17
SQUARE YARDS	4,000	53,050	-	-	-	-
HOOKS OR BAITS	-	-	4,500	700	-	-
YARDS AT MOUTH	-	-	-	-	39	33

ITEM	DREDGES-CONT'D.	TONGS		RAKES	HOOKS	TOTAL, EXCLUSIVE OF DUPLICATION
	OYSTER, COMMON	OYSTER	OTHER			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	25	-	-	-	-	356
ON BOATS AND SHORE:						
REGULAR	11	9	22	40	-	109
CASUAL	-	-	95	111	1	254
TOTAL	36	9	117	151	1	719
VESSELS, MOTOR	4	-	-	-	-	49
GROSS TONNAGE	125	-	-	-	-	3,604
BOATS:						
MOTOR	4	9	102	126	-	294
OTHER	-	-	15	25	-	35
ACCESSORY BOATS	-	-	-	-	-	39
GEAR:						
NUMBER	13	9	117	151	1	-
YARDS AT MOUTH	18	-	-	-	-	-

DELAWARE - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CARP	800	$80	-	-	-	-
FLOUNDERS, FLUKE	-	-	-	-	44,000	$5,280
KING WHITING OR "KINGFISH"	-	-	-	-	4,000	400
MENHADEN	48,000	960	280,663,000	$2,750,006	-	-
MINNOWS	1,300	566	-	-	-	-
MULLET	3,600	225	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY	2,600	390	-	-	4,000	600
STRIPED BASS	500	100	-	-	5,300	1,060
WHITE PERCH	-	-	-	-	7,200	576
TOTAL	56,800	2,321	280,663,000	2,750,006	64,500	7,916

SPECIES	HOOP AND FYKE NETS		POTS AND TRAPS		GILL NETS			
					ANCHOR		DRIFT	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	100	$2	-	-	100	$2	800	$16
CARP	3,000	300	-	-	-	-	400	20
CATFISH	500	50	-	-	-	-	100	25
DRUM, BLACK	200	10	-	-	-	-	-	-
EELS, COMMON	-	-	6,400	$960	-	-	-	-
FLOUNDERS, BLACKBACK	14,200	568	-	-	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY	100	15	-	-	-	-	200	30
SHAD	1,000	150	-	-	5,000	750	7,200	1,080
SPOT	-	-	-	-	17,200	1,376	-	-
STRIPED BASS	200	40	-	-	300	60	200	40
WHITE PERCH	-	-	-	-	100	8	400	32
CRABS, BLUE:								
HARD	-	-	1,561,400	175,662	-	-	-	-
SOFT AND PEELER	-	-	40,000	11,193	-	-	-	-
TURTLES, SNAPPER	-	-	22,500	2,250	-	-	-	-
TOTAL	19,300	1,135	1,630,300	190,065	22,700	2,196	9,300	1,243

SPECIES	GILL NETS - CONTINUED				LINES			
	RUNAROUND		STAKE		LONG OR SET WITH HOOKS		TROT WITH BAITS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	2,300	$46	-	-	-	-
BLUEFISH	500	$75	-	-	-	-	-	-
COD	-	-	-	-	19,300	$1,351	-	-
CROAKERS	100	25	100	25	-	-	-	-
SEA BASS	-	-	100	15	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY	200	30	700	105	-	-	-	-
SHAD	300	45	24,500	3,765	-	-	-	-
SPOT	1,000	80	-	-	-	-	-	-
STRIPED BASS	100	20	18,700	3,740	-	-	-	-
WHITE PERCH	-	-	4,800	384	-	-	-	-
CRABS, BLUE, HARD	-	-	-	-	-	-	5,600	$700
TOTAL	2,200	275	51,200	8,080	19,300	1,351	5,600	700

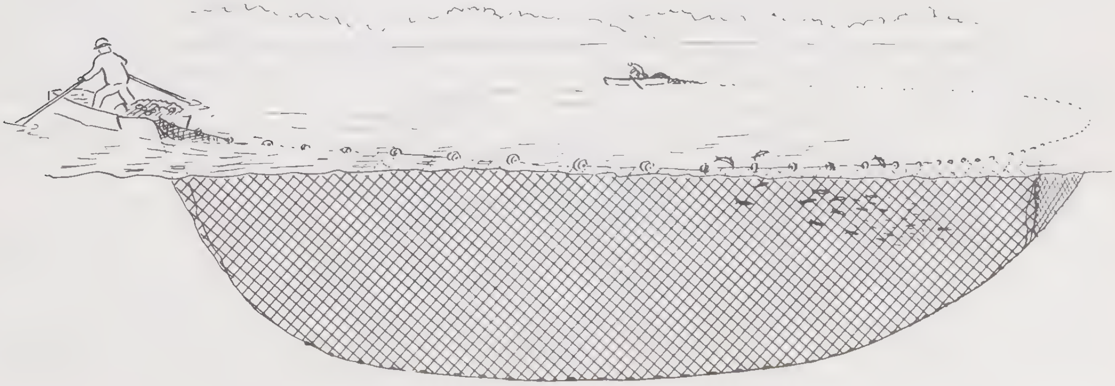
SPECIES	DREDGES		TONGS		RAKES		HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CRABS, BLUE, HARD	542,200	$43,156	-	-	-	-	-	-
CLAMS:								
HARD:								
PUBLIC	110,300	41,355	69,500	$30,422	104,300	$45,533	-	-
PRIVATE	200,200	75,069	-	-	-	-	-	-
SURF	478,200	47,819	-	-	-	-	-	-
CONCHS	2,300	380	-	-	-	-	-	-
OYSTERS, MARKET:								
PUBLIC, FALL	-	-	15,000	10,625	-	-	-	-
PRIVATE:								
SPRING	48,100	30,616	21,600	13,752	-	-	-	-
FALL	68,100	48,115	23,400	16,575	-	-	-	-
TURTLES, SNAPPER	-	-	-	-	-	-	200	$20
TOTAL	1,449,400	286,510	129,500	71,374	104,300	45,533	200	20

DELAWARE - OPERATING UNITS BY COUNTIES, 1960

ITEM	KENT	NEW CASTLE	SUSSEX
	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS	46	-	324
ON BOATS AND SHORE:			
REGULAR	33	7	69
CASUAL	33	12	209
TOTAL	112	19	602
VESSELS, MOTOR	18	-	37
GROSS TONNAGE	657		3,142
BOATS:			
MOTOR	43	13	238
OTHER	4	-	31
ACCESSORY BOATS	-	-	39
GEAR:			
HAUL SEINES, COMMON	2	2	2
LENGTH, YARDS	1,000	80	700
PURSE SEINES, MENHADEN	-	-	13
LENGTH, YARDS	-	-	4,470
OTTER TRAWLS, FISH	1	-	5
YARDS AT MOUTH	20	-	111
HOOP AND FYKE NETS, FISH	-	1	84
POTS AND TRAPS:			
CRAB	3,770	480	-
EEL	125	-	-
TURTLE	100	67	-
GILL NETS:			
ANCHOR	1	-	8
SQUARE YARDS	2,000	-	9,000
DRIFT:			
SHAD	-	-	12
SQUARE YARDS	-	-	7,000
OTHER	-	3	-
SQUARE YARDS	-	2,750	-
RUNAROUND	1	-	1
SQUARE YARDS	1,500	-	2,500
STAKE	16	-	10
SQUARE YARDS	35,800	-	17,250
LINES:			
LONG OR SET WITH HOOKS	-	-	3
HOOKS	-	-	4,500
TROT WITH BAITS	1	1	-
BAITS	200	500	-
DREDGES:			
CLAM	23	-	4
YARDS AT MOUTH	28	-	4
CRAB	10	-	11
YARDS AT MOUTH	21	-	21
OYSTER, COMMON	-	-	13
YARDS AT MOUTH	-	-	18
TONGS:			
OYSTER	5	-	4
OTHER	-	-	117
RAKES	-	-	151
HOOKS	-	1	-

DELAWARE - CATCH BY COUNTIES, 1960

SPECIES	KENT		NEW CASTLE		SUSSEX	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	-	-	3,300	$66
BLUEFISH	-	-	-	-	500	75
CARP	-	-	3,800	$380	400	20
CATFISH	-	-	500	50	100	25
COD	-	-	-	-	19,300	1,351
CROAKERS	-	-	-	-	200	50
DRUM, BLACK	-	-	-	-	200	10
EELS, COMMON	6,400	$960	-	-	-	-
FLOUNDERS:						
BLACKBACK	-	-	-	-	14,200	568
FLUKE	10,000	1,200	-	-	34,000	4,080
KING WHITING OR "KINGFISH"	-	-	-	-	4,000	400
MENHADEN	48,000	960	-	-	280,663,000	2,750,006
MINNOWS	-	-	1,300	566	-	-
MULLET	-	-	-	-	3,600	225
SEA BASS	-	-	-	-	100	15
SEA TROUT OR WEAKFISH, GRAY	5,500	825	-	-	2,300	345
SHAD	2,300	345	2,200	330	33,500	5,115
SPOT	1,500	120	-	-	16,700	1,336
STRIPED BASS	2,400	480	-	-	22,900	4,580
WHITE PERCH	5,200	416	-	-	7,300	584
CRABS, BLUE:						
HARD	1,558,100	168,385	222,000	25,025	329,100	26,108
SOFT AND PEELER	31,500	8,813	8,500	2,380	-	-
CLAMS:						
HARD:						
PUBLIC	110,300	41,355	-	-	173,800	75,955
PRIVATE	200,200	75,069	-	-	-	-
SURF	-	-	-	-	478,200	47,819
CONCHS	-	-	-	-	2,300	380
OYSTERS, MARKET:						
PUBLIC, FALL	15,000	10,625	-	-	-	-
PRIVATE:						
SPRING	-	-	-	-	69,700	44,368
FALL	-	-	-	-	91,500	64,690
TURTLES, SNAPPER	10,300	1,030	12,400	1,240	-	-
TOTAL	2,006,700	310,583	250,700	29,971	281,970,200	3,028,171



RUNAROUND GILL NET

HUDSON RIVER SHAD FISHERY

The 1960 spring run of shad in the Hudson River yielded a commercial catch of 208,855 fish weighing 723,572 pounds valued at $108,100 to the fishermen. This was a decrease of 38 percent in volume and 14 percent in value compared with the 1959 catch. Fishermen received an average price of 15 cents per pound for shad during 1960 compared with 11 cents per pound the previous year.

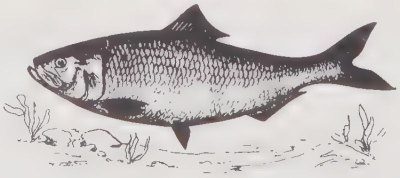
In 1960, a total of 211 fishermen were engaged in the Hudson River shad fishery--10 percent less than operated in 1959. Statistics on the 1960 catch of shad and operating units of New Jersey and New York fishermen are included in catch and operating unit data for these States.

* * *

SUMMARY OF OPERATING UNITS AND CATCH, 1960

ITEM	NEW YORK			NEW JERSEY			TOTAL		
OPERATING UNITS	NUMBER			NUMBER			NUMBER		
FISHERMEN:									
ON BOATS AND SHORE:									
REGULAR	19			9			28		
CASUAL.	145			38			183		
TOTAL	164			47			211		
BOATS:									
MOTOR	99			19			118		
OTHER	3			7			10		
GEAR:									
HAUL SEINES	2			-			2		
LENGTH, YARDS . . .	500			-			500		
GILL NETS:									
DRIFT	52			1			53		
SQUARE YARDS. . .	144,415			694			145,109		
STAKE	55			13			68		
SQUARE YARDS. . .	92,960			32,503			125,463		
CATCH	NUMBER	POUNDS	VALUE	NUMBER	POUNDS	VALUE	NUMBER	POUNDS	VALUE
SHAD:									
HAUL SEINES	995	3,281	$324	-	-	-	995	3,281	$324
GILL NETS:									
DRIFT	43,475	143,495	17,548	57	170	$26	43,532	143,665	17,574
STAKE	35,909	127,160	20,535	128,419	449,466	69,667	164,328	576,626	90,202
TOTAL	80,379	273,936	38,407	128,476	449,636	69,693	208,855	723,572	108,100

NOTE:--THE PRODUCTION IN THE ABOVE TABLE REPRESENTS THE CATCH OF SHAD IN THE HUDSON RIVER BETWEEN WEEHAWKEN, NEW JERSEY AND ALBANY, NEW YORK.



SHAD

SECTION 4 - CHESAPEAKE FISHERIES

The 1960 commercial catch of fish and shellfish landed in Maryland and Virginia totaled 436 million pounds valued at $35 million to the fishermen. Landings were 154 million pounds and $4 million less than the area's record catch and value established in 1959 (over 500 million pounds valued at over $38 million). The lower catch in 1960 was due to a drastic reduction in menhaden landings and a falling off in the take of oysters, croakers, alewives, flounders, shad, swellfish, white perch, and common eels. The only major items taken in greater volume than in the previous year were crabs, scup, clams, and spot. Virginia produced 367 million pounds (84 percent) valued at $21 million (60 percent) of the total landings in the Chesapeake States. The Maryland and Virginia catch was taken by 19,472 fishermen operating 1,228 vessels of 5 net tons and over, 9,843 motor boats, and 1,213 other boats.

Manufactured fishery products were produced by 631 establishments in 1960--somewhat less than in the previous year. The firms employed nearly 14,000 persons. About $55 million worth of manufactured fishery products were produced. This was nearly $2 million less than in 1959. The decline was due to a sharp decrease in byproducts of menhaden. The value of the manufactured fishery products would have been lower had there not been an increase in breaded fish and shellfish items, specialities of these products, and canned and cured fish.

Menhaden were abundant in Chesapeake waters in 1960, however, operations were restricted because of the low price of fish meal, and the catch totaled only 249 million pounds valued at $2 million to the fishermen. This was 40 percent less in volume and 48 percent less in value compared with the record 1959 landings. The 1960 catch was the smallest since 1956, a year when fish were not plentiful and the fishery was disturbed by adverse weather.

A drastic falling off in the price of fish meal and solubles, products of the menhaden fishery, occurred late in 1959. Early 1960 found the market in an acute stage of recession. Inventories, at a high level, were moving slowly at reduced prices. Unfavorable marketing conditions continued into the 1960 season. Manufacturers had little incentive to produce; this feeling was reflected in the operations of the fishermen. Fewer vessels fished, and limits were imposed on the volume landed. Some factories did not begin producing until late in the season and at least one plant suspended operations for a month in midseason.

The area's purse seine fleet captured 223 million pounds or 90 percent of the total Chesapeake menhaden landings. An additional 21 million pounds were taken in pound nets while the remaining 5 million pounds were caught by haul seines, hoop and fyke nets, and by gill nets. While some catches were made at sea, the greater proportion of the harvest was taken in Chesapeake Bay. All of the purse seine catch, taken by 27 vessels, was landed in Virginia.

Studies designed to develop new uses for menhaden products were continued in 1960. These, if successful, would free the industry from its dependence on the margerine and animal food markets. Except for a few million pounds used as bait for the taking of crabs by pots or trotlines, almost all of the 1960 menhaden catch was used to manufacture these products.

The Chesapeake Bay and its tributary streams form the greatest shellfish area known to the world. In 1960, it led all other areas along the Atlantic and Gulf Coasts in the yield of blue crabs, soft clams, and oysters. The Chesapeake waters gave up 55 percent of the oyster meats and 46 percent of the blue crab production taken from Atlantic and Gulf waters. The importance of shellfish to the fisheries of the Chesapeake States is shown by the fact that they accounted for 77 percent of the value of all fishery products landed in these States.

CHESAPEAKE FISHERIES

Oyster production in the Chesapeake States was the lowest since 1951. Catches were down in both States. The Maryland fishery produced 11.8 million pounds--195,000 pounds less than in 1959 and the smallest production since 1933. In Virginia, fishermen took only 15.3 million pounds--28 percent less than in 1959 and the lowest catch since 1951. With production from New England and Middle Atlantic waters at an alltime low, the demand for Chesapeake oysters outstripped the supply and prices were higher than in 1959.

The serious condition of the Chesapeake oyster fishery was of major concern to the industry. Disastrous mortalities virtually wiped out the industry in Delaware Bay and nearby waters. Serious losses also occurred during the year in the Chincoteague Bay area. There were indications that oysters were also threatened in other Chesapeake Bay areas. Dermocystidium, predators, oxygen deficiencies, etc., contributed to the oyster mortalities. However, a parasite known as MSX was found in many sick and dead oysters and was considered a major cause of mortality in Delaware Bay, the lower Chesapeake Bay, and Chincoteague Bay. The organisim was expected to spread to other areas.

Teams of scientists at Rutgers University, the Virginia Fisheries Laboratory, the U. S. Bureau of Commercial Fisheries, and the University of Delaware have been making a vigorous attack on problems relating to oyster mortalities. The Chesapeake Biological Laboratory conducted a similar research program in cooperation with other institutions. The combined approach is the largest co-ordinated research program ever mounted against a threat to coastal shellfish. Continued research by agencies upon oyster mortalities was planned to include: (1) Accurate determination of rates of mortality by all agents under different environmental conditions; (2) complete knowledge of the life cycle of MSX organism; (3) the method of infection of oysters by MSX; (4) the role in oyster mortality played by bacteria, virus infection, and other organisms; (5) the effects of changed environmental conditions upon oyster mortality; and (6) the selection and development of resistant strains of oysters in affected areas.

Blue crabs constitute an important fishery in the Chesapeake area. The value received by fishermen for these crustaceans in 1960 amounted to $4.6 million. Only oysters were more valuable. The 1960 crab catch (71 million pounds) was 25 million pounds larger than in 1959 and approached the 1950 record catch of 80 million pounds. The harvest was unusual in that there was an acute shortage of crabs during the first 6 months of 1960 when they are normally abundant. The light supply resulted in high prices. Processors were less affected by the shortage than fishermen since they augmented supplies by importing considerable quantities of crabs from areas as far south as Florida. As a result, crab meat production was fairly good even during the period of small catches.

Scientists at the Virginia Fisheries Laboratory predicted that the shortage of blue crabs would end by midsummer. They based this on their belief that a large supply of crabs was produced from spawning in 1959. This was determined by numerous fingernailsized crabs observed during the Laboratory's monthly surveys. It was known by scientists that all of the crabs that will be caught in Chesapeake Bay in a given summer are also present during the preceding winter. There is no significant outside source. Another indication was the increase in the number of soft and peeler crabs caught in early summer, 1960.

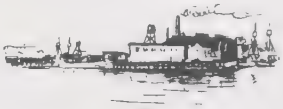
The prediction was correct. In late July and during the remaining months of the year, fishermen took large catches. The late season oversupplied the market, and prices fell off. However, conditions would have been worse had it not been for pasteurization. This method of preparation increases the shelf life of crab meat from a period of 10 days to as long as 6 months. Excess crab meat in 1960 was pasteurized and stored until demand improved.

The soft clam fishery increased production from 4.5 million pounds of meats in 1959 to 5.6 million pounds in 1960. The industry was confined principally to Maryland. Strangely enough, soft clams are not featured in Maryland; but are highly favored in the northeastern States. The demand from those States controls Maryland's catch. If demands from other areas developed, expansion of this fishery would be insured.

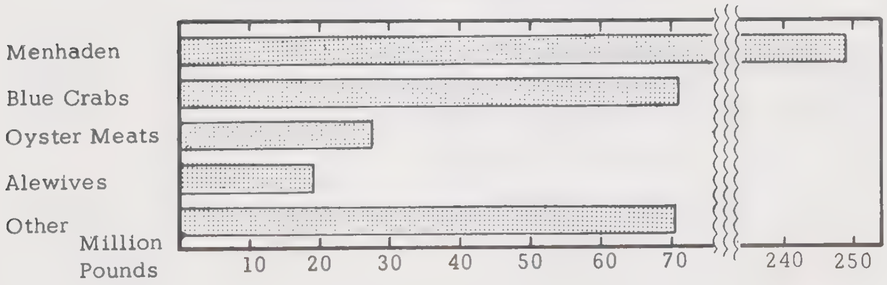
Unlike the soft clam, production of surf clams was down from 850,000 pounds of meats in 1959 to 420,000 pounds in 1960. The catch would have been larger had not increased competition from fishermen in the Middle Atlantic forced prices to a low level. Clams are scarcer in Maryland than in the Middle Atlantic, and the beds are further from home ports. Maryland fishermen could not operate on the low price paid for surf clams; the operating units turned to other fisheries for income.

The Bureau acknowledges the assistance of the following organizations in the collection of the data appearing in this Section: Maryland Natural Resources Institute, and Maryland Department of Tidewater Fisheries; the Virginia Commission of Fisheries, and Virginia Institute of Marine Science.

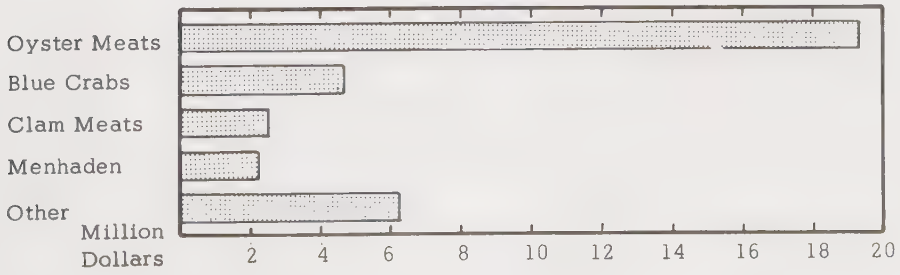
Condensed summary data of the operating units and catch by States of the fisheries of the Chesapeake area appearing on the following pages have been previously published in Current Fishery Statistics No. 2685. Data on the catch of fish and shellfish in the bay and ocean areas of Maryland and Virginia are shown at the end of this section. Additional data may be found in the Maryland and Virginia monthly and annual landing bulletins released by the Branch of Statistics. Information on the daily, monthly, and annual production of fishery products in the more important areas of these States is available in reports published by the Bureau's Fishery Market News Service office at Hampton, Virginia.

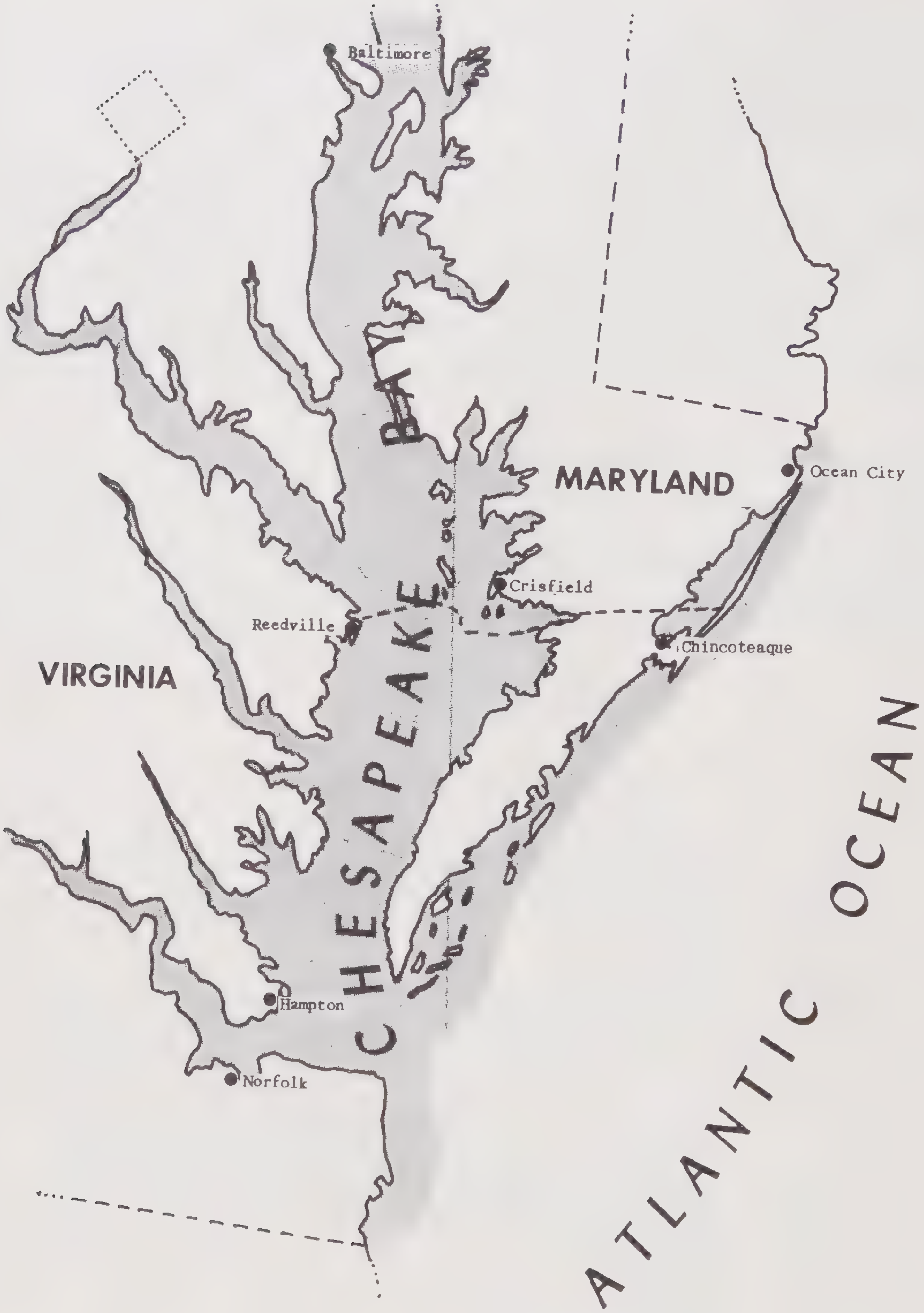


CHESAPEAKE STATES CATCH, 1960



VALUE OF CHESAPEAKE STATES CATCH, 1960




Baltimore
CHESAPEAKE BAY
MARYLAND
Ocean City
Crisfield
Reedville
Chincoteaque
VIRGINIA
Hampton
Norfolk
ATLANTIC OCEAN

CHESAPEAKE STATES

CHESAPEAKE FISHERIES

SECTIONAL SUMMARIES

SUMMARY OF CATCH, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

STATE	FISH		SHELLFISH, ETC.		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
MARYLAND	21,184	1,639	47,929	12,297	69,113	13,936
VIRGINIA	307,354	6,467	59,330	14,458	366,684	20,925
TOTAL	328,538	8,106	107,259	26,755	435,797	34,861

SUMMARY OF OPERATING UNITS, 1960

ITEM	MARYLAND	VIRGINIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS	1,261	2,560	3,791
ON BOATS AND SHORE:			
REGULAR	4,025	4,759	8,784
CASUAL	3,810	3,087	6,897
TOTAL	9,096	10,406	19,472
VESSELS:			
MOTOR	389	790	1,167
GROSS TONNAGE	4,043	20,075	23,693
SAIL	61	-	61
GROSS TONNAGE	741	-	741
TOTAL VESSELS	450	790	1,228
TOTAL GROSS TONNAGE 1/	4,784	20,075	24,434
BOATS:			
MOTOR	5,357	4,486	9,843
OTHER	441	650	1,091
ACCESSORY BOATS	41	81	122
GEAR:			
HAUL SEINES, COMMON	113	209	322
LENGTH, YARDS	48,100	126,040	174,140
PURSE SEINES, MENHADEN	-	27	27
LENGTH, YARDS	-	10,050	10,050
OTTER TRAWLS, FISH	33	107	131
YARDS AT MOUTH	936	2,693	3,383
POUND NETS:			
CRAB	-	2,550	2,550
FISH	316	778	1,094
HOOP AND FYKE NETS, FISH	1,488	546	2,034
POTS AND TRAPS:			
CRAB	58,000	137,075	195,075
EEL	6,796	1,463	8,259
FISH	600	3,913	4,513
TURTLE	249	289	538
SLAT TRAPS	-	3	3
GILL NETS:			
ANCHOR	242	165	407
SQUARE YARDS	465,400	53,640	519,040
DRIFT	431	594	1,024
SQUARE YARDS	640,900	792,340	1,425,740
STAKE	1,517	1,118	2,635
SQUARE YARDS	1,234,375	553,950	1,788,325
LINES:			
HAND	452	588	1,040
HOOKS	462	595	1,057
LONG OR SET WITH HOOKS	16	76	92
HOOKS	17,550	11,990	29,540
TROT WITH BAITS	1,983	248	2,231
BAITS	830,270	149,900	980,170
DIP NETS, COMMON	252	183	435
SCRAPES	462	101	563
YARDS AT MOUTH	524	167	691
DREDGES:			
CLAM	199	34	233
YARDS AT MOUTH	200	27	227
CRAB	11	337	348
YARDS AT MOUTH	11	379	390
OYSTER, COMMON	216	771	980
YARDS AT MOUTH	243	833	1,066
SCALLOP	-	38	38
YARDS AT MOUTH	-	126	126
OTHER	10	-	10
YARDS AT MOUTH	10	-	10
TONGS:			
OYSTER	4,698	3,153	7,847
OTHER	145	883	1,028
RAKES:			
OYSTER	-	103	103
OTHER	6	945	951

1/ PREVIOUSLY THE TONNAGE REPORTED WAS NET TONS.

CATCH BY STATES, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	MARYLAND		VIRGINIA		TOTAL	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	3,525	53	15,464	234	18,989	287
BLUEFISH	10	2	130	19	140	21
BONITO	(1)	(1)	14	2	14	2
BOWFIN	-	-	3	(1)	3	(1)
BULLHEADS	(1)	(1)	1,456	91	1,456	91
BUTTERFISH	42	2	1,088	92	1,130	94
CABIO	-	-	19	3	19	3
CARP	595	23	332	12	927	35
CATFISH	566	39	1,536	107	2,102	146
COD	546	41	9	1	555	42
CRAPPIE	1	(1)	-	-	1	(1)
CROAKER	586	156	3,933	643	4,519	799
DRUM:						
BLACK	4	(1)	172	10	176	10
RED	(1)	(1)	29	2	29	2
EELS:						
COMMON	195	13	192	23	387	36
CONGER	-	-	(1)	(1)	(1)	(1)
FLOUNDERS:						
GRAY SOLE	(1)	(1)	-	-	(1)	(1)
BLACKBACK	3	(1)	-	-	3	(1)
FLUKE	1,028	164	2,730	420	3,758	584
UNCLASSIFIED	17	1	124	16	141	17
GIZZARD SHAD	23	1	228	3	251	4
HAKE:						
RED	19	(1)	3	(1)	22	(1)
WHITE	(1)	(1)	29	2	29	2
HARVESTFISH	-	-	247	23	247	23
HERRING:						
SEA	4	(1)	6	(1)	10	(1)
THREAD	-	-	351	3	351	3
HICKORY SHAD	2	(1)	29	1	31	1
HOGCHOKER	17	(1)	-	-	17	(1)
KING MACKEREL	-	-	5	1	5	1
KING WHITING OR "KINGFISH"	16	1	57	5	73	6
MACKEREL	42	5	482	72	524	77
MENHADEN	2,904	49	246,001	2,221	248,905	2,270
MULLET	3	(1)	88	7	91	7
PIGFISH	-	-	6	(1)	6	(1)
PIKE OR PICKEREL	3	1	-	-	3	1
POLLOCK	-	-	(1)	(1)	(1)	(1)
POMPANO	-	-	1	(1)	1	(1)
SAND PERCH	-	-	(1)	(1)	(1)	(1)
SCUP OR PORGY	104	5	13,407	760	13,511	765
SEA BASS	128	17	3,669	522	3,797	539
SEA ROBIN	-	-	1	(1)	1	(1)
SEA TROUT OR WEAKFISH:						
GRAY	271	13	810	99	1,081	112
SPOTTED	-	-	55	11	55	11
SHAD	1,333	207	1,349	234	2,682	441
SHARKS:						
GRAYFISH	41	1	729	16	770	17
UNCLASSIFIED	62	2	62	2	124	4
SKATES	(1)	(1)	-	-	(1)	(1)
SPADEFISH	-	-	(1)	(1)	(1)	(1)
SPANISH MACKEREL	-	-	20	3	20	3
SPOT	498	41	3,906	362	4,404	403
STRIPED BASS	4,409	675	2,278	316	6,687	991
STURGEON	11	3	18	5	29	8
SUCKERS	2	(1)	10	1	12	1
SUNFISH	2	(1)	(1)	(1)	2	(1)
SWELLFISH	390	12	936	26	1,326	38
TAUTOG	2	(1)	17	1	19	1
TILEFISH	-	-	11	1	11	1
TUNA:						
BLUEFIN	(1)	(1)	-	-	(1)	(1)
LITTLE	(1)	(1)	10	(1)	10	(1)
WHITE PERCH	876	85	570	37	1,446	122
WHITING	111	2	440	14	551	16
YELLOW PERCH	63	9	8	1	71	10
UNCLASSIFIED:						
FOR FOOD	45	4	41	3	86	7
BAIT, REDUCTION, AND ANIMAL FOOD	2,685	12	4,243	40	6,928	52
TOTAL FISH	21,184	1,639	307,354	6,467	328,538	8,106
SHELLFISH, ETC.						
CRABS, BLUE:						
HARD	27,068	1,541	39,270	1,994	66,338	3,535
SOFT AND PEELER	2,788	611	1,590	450	4,378	1,061
TOTAL CRABS	29,856	2,152	40,860	2,444	70,716	4,596
LOBSTERS, NORTHERN	1	1	31	12	32	13

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	MARYLAND		VIRGINIA		TOTAL	
SHELLFISH, ETC. - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CLAMS:						
HARD:						
PUBLIC.	163	70	1,124	514	1,287	584
PRIVATE	9	4	537	242	546	246
SOFT, PUBLIC.	5,569	1,594	1	(1)	5,570	1,594
SURF.	420	34	-	-	420	34
TOTAL CLAMS	6,161	1,702	1,662	756	7,823	2,458
CONCHS.	49	5	130	12	179	17
OYSTERS, MARKET:						
PUBLIC:						
SPRING.	4,894	3,361	1,558	1,107	6,452	4,468
FALL.	5,210	3,784	2,438	1,735	7,648	5,519
PRIVATE:						
SPRING.	792	587	5,667	4,030	6,459	4,617
FALL.	875	694	5,677	4,012	6,552	4,706
TOTAL OYSTERS	11,771	8,426	15,340	10,884	27,111	19,310
SCALLOPS, SEA	(1)	(1)	781	290	781	290
SQUID	18	1	284	22	302	23
TERRAPIN.	4	2	12	6	16	8
TURTLES:						
LOGGERHEAD.	-	-	2	(1)	2	(1)
SNAPPER	69	8	228	32	297	40
TOTAL TURTLES	69	8	230	32	299	40
TOTAL SHELLFISH, ETC. .	47,929	12,297	59,330	14,458	107,259	26,755
GRAND TOTAL	69,113	13,936	366,684	20,925	435,797	34,861

1/ LESS THAN 500 POUNDS OR $500.

CATCH OF CERTAIN SHELLFISH, 1960

(NUMBER AND BUSHELS)

SPECIES		MARYLAND		VIRGINIA		TOTAL	
		QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CRABS, BLUE:							
HARD.	NUMBER	64,963,200	$1,540,942	117,810,000	$1,994,026	182,773,200	$3,534,968
SOFT AND PEELER	DO	11,151,600	611,640	9,541,200	449,808	20,692,800	1,061,448
CLAMS:	U. S.						
HARD:	STANDARD						
PUBLIC. . . .	BUSHELS	20,338	70,495	140,488	513,678	160,826	584,173
PRIVATE . . .	DO	1,125	3,920	67,175	242,454	68,300	246,374
SOFT, PUBLIC. .	DO	464,067	1,593,402	75	220	464,142	1,593,622
SURF.	DO	24,676	33,742	-	-	24,676	33,742
CONCHS.	DO	2,465	4,897	6,520	11,648	8,985	16,545
OYSTERS, MARKET:							
PUBLIC:							
SPRING. . . .	DO	1,066,144	3,360,616	366,565	1,107,103	1,432,709	4,467,719
FALL.	DO	1,067,541	3,784,238	538,234	1,734,297	1,605,775	5,518,535
PRIVATE:							
SPRING. . . .	DO	165,648	586,863	1,409,677	4,029,659	1,575,325	4,616,522
FALL.	DO	268,313	694,507	1,345,355	4,011,887	1,613,668	4,706,394
SCALLOPS, SEA . .	DO	33	63	130,183	289,986	130,216	290,049

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

AVERAGE WEIGHTS OF CERTAIN SHELLFISH, 1960

SPECIES		MARYLAND	VIRGINIA
		QUANTITY	QUANTITY
CRABS, BLUE:			
HARD.	NUMBER PER POUND	2.40	3.00
SOFT AND PEELER	DO	4.00	6.00
CLAMS:	POUNDS OF MEATS		
HARD:	PER U. S.		
PUBLIC.	STANDARD BUSHEL	8.00	8.00
PRIVATE	DO	8.00	8.00
SOFT, PUBLIC.	DO	12.00	12.00
SURF.	DO	17.00	-
CONCHS.	DO	20.00	20.00
OYSTERS, MARKET:			
PUBLIC:			
SPRING.	DO	4.59	4.25
FALL.	DO	4.88	4.53
PRIVATE:			
SPRING.	DO	4.78	4.02
FALL.	DO	3.26	4.22
SCALLOPS, SEA	DO	6.06	6.00

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

CHESAPEAKE FISHERIES

TRANSPORTING, WHOLESALING, AND MANUFACTURING, 1960

ITEM	MARYLAND	VIRGINIA	TOTAL
TRANSPORTING:	NUMBER	NUMBER	NUMBER
PERSONS ENGAGED:			
ON VESSELS	137	602	739
ON BOATS	-	20	20
VESSELS, MOTOR	77	374	451
GROSS TONNAGE	1,833	4,656	6,489
BOATS, MOTOR	-	10	10
WHOLESALING AND MANUFACTURING:			
ESTABLISHMENTS	253	378	631
PERSONS ENGAGED:			
AVERAGE FOR SEASON	6,687	7,123	13,810
AVERAGE FOR YEAR	4,271	2,726	6,997

NOTE:--BOATS AND VESSELS ENGAGED IN TRANSPORTING AND FISHING ARE INCLUDED ONLY AS FISHING CRAFT. OF THE TOTAL NUMBER OF PERSONS OPERATING ON TRANSPORTERS, 105 ENGAGED IN FISHING AND HAVE ALSO BEEN INCLUDED AS FISHERMEN.

MANUFACTURED FISHERY PRODUCTS, 1960

ITEM		MARYLAND		VIRGINIA	
		QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES:					
CANNED:					
FISH (SOME WITH ROE, SALTED)	STANDARD CASES	(1)	(1)	37;549	$167,926
ROE	DO	(1)	(1)	18,692	233,190
SALTED:					
BRINED, WHOLE AND FILLETS (SOME WITH ROE)	POUNDS	(1)	(1)	1,202,400	88,900
PICKLED, WHOLE AND FILLETS	DO	-	-	1,781,900	190,838
MEAL	TONS	-	-	1,092	96,600
OIL	GALLONS	(1)	(1)	65,250	31,290
MENHADEN:					
MEAL	TONS	-	-	24,516	2,160,600
OIL	GALLONS	-	-	1,014,045	490,000
SOLUBLES	TONS	-	-	15,458	516,800
CRABS, BLUE:					
COOKED MEAT	POUNDS	4,403,349	$3,866,829	3,478,200	3,307,770
SPECIALTIES, FROZEN (CAKES, CUTLETS, DEVILED, AND BREADED SOFT-SHELL)	DO	1,538,762	2,549,562	386,234	369,859
MEAL	TONS	3,901	171,297	2,869	102,196
CLAMS:					
SOFT AND SURF:					
SHUCKED, FRESH AND FROZEN	GALLONS	298,680	1,586,756	-	-
BREADED, FROZEN	POUNDS	325,361	344,128	-	-
HARD, SHUCKED (FRESH AND FROZEN)	GALLONS	-	-	8,486	45,740
OYSTERS:					
SHUCKED:					
FRESH	DO	1,099,358	7,939,855	1,631,280	11,640,918
FROZEN	DO	20,105	145,863	211,855	1,690,670
BREADED, FROZEN	POUNDS	288,265	373,199	621,400	609,450
STEAMED, FROZEN (INTERMEDIATE PREPARATION)	DO	-	-	508,100	1,118,000
SHELL LIME AND POULTRY GRIT	TONS	(1)	(1)	7,125	118,548
SCALLOPS, BREADED, FROZEN	POUNDS	(1)	(1)	199,600	128,300
UNCLASSIFIED PRODUCTS:					
FROZEN FISH AND SHELLFISH	DO	2/14,076,451	2/4,898,226	3/1,504,720	3/688,827
CANNED FISH AND SHELLFISH 4/	STANDARD CASES	411,243	3,852,027	65,346	243,100
CURED FISH	POUNDS	5/7,924,386	5/3,624,298	-	-
BYPRODUCTS	-	-	6/1,587,288	-	7/68,080
TOTAL	-	-	30,939,328	-	24,107,602

1/ INCLUDED WITH UNCLASSIFIED PRODUCTS. 2/ INCLUDES FROZEN BREADED FISH STICKS AND PORTIONS, UNBREADED FISH PORTIONS, BREADED SHRIMP, STUFFED SHRIMP, AND BREADED BAY SCALLOPS. 3/ INCLUDES FROZEN UNBREADED FILLETS OF FLOUNDER, SEA BASS, AND UNCLASSIFIED FISH; POLLOCK CAKES, TUNA ROLL, BREADED SHRIMP, SHELLFISH DINNERS, AND BREADED FISH FILLETS, PORTIONS, AND STICKS. 4/ INCLUDES CANNED ALEWIVES AND ROE, ANCHOVY PASTE, ATLANTIC MACKEREL, SHAD FILLETS AND ROE, TUNA, ANIMAL FOOD, CRAB SOUP, SOFT-SHELL CRABS, LOBSTER SOUP, SHRIMP BISQUE AND SOUP, CLAM BISQUE, CLAMS IN THE SHELL, AND OYSTER BISQUE. 5/ INCLUDES SALTED ALEWIVES; SALTED AND PICKLED SEA HERRING; SALTED SEA HERRING SPECIALTIES; SMOKED BUTTERFISH, CHUB, EEL, SABLEFISH, SALMON, STURGEON, AND WHITEFISH. 6/ INCLUDES THE VALUE OF ALEWIFE OIL, MEAL OF UNCLASSIFIED FISH AND SHELLFISH, OYSTER SHELL POULTRY GRIT AND LIME, AND MARINE PEARL SHELL BUTTONS. 7/ INCLUDES THE VALUE OF ALEWIFE SOLUBLES, PEARL ESSENCE, AND MEAL OF UNCLASSIFIED FISH AND SHELLFISH.

NOTE:--SOME OF THE ABOVE PRODUCTS MAY HAVE BEEN MANUFACTURED FROM RAW PRODUCTS IMPORTED FROM ANOTHER STATE OR A FOREIGN COUNTRY; THEREFORE, THEY CANNOT BE CORRELATED DIRECTLY WITH THE CATCH WITHIN THE STATE.

SUMMARY OF PRODUCTION, BY COMMODITIES, 1960

SUMMARY OF ITEMS		QUANTITY	VALUE
FRESH AND FROZEN:			
NOT BREADED:			
FISH	POUNDS	756,240	$268,082
SHELLFISH	DO	37,000,084	31,342,401
BREADED:			
FISH	DO	14,065,139	4,708,385
SHELLFISH	DO	2,119,228	2,026,985
SPECIALTIES OF FISH AND SHELLFISH	DO	2,000,186	2,958,099
CANNED FISH AND SHELLFISH	STANDARD CASES	532,830	4,496,243
CURED FISH (SALTED AND SMOKED)	POUNDS	10,908,686	3,904,036
BYPRODUCTS	-	-	5,342,699
TOTAL	-	-	55,046,930

CHESAPEAKE FISHERIES

MARYLAND

OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	OTTER TRAWLS, FISH	POUND NETS, FISH	HOOP AND FYKE NETS, FISH	POTS AND TRAPS		
					CRAB	EEL	FISH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	130	79	81	12	141	-	2
ON BOATS AND SHORE:							
REGULAR	310	4	396	75	382	144	-
CASUAL	121	-	19	42	111	67	-
TOTAL	561	83	496	129	634	211	2
VESSELS, MOTOR	26	31	19	6	87	-	1
GROSS TONNAGE	242	1,014	158	46	690	-	14
BOATS:							
MOTOR	87	2	82	62	415	151	-
OTHER	87	-	83	-	-	-	-
ACCESSORY BOATS	30	-	18	-	-	-	-
GEAR:							
NUMBER	113	33	316	1,488	58,000	6,796	600
LENGTH, YARDS	48,100	-	-	-	-	-	-
YARDS AT MOUTH	-	936	-	-	-	-	-

ITEM	POTS AND TRAPS-CONTINUED	GILL NETS			LINES		
	TURTLE	ANCHOR	DRIFT	STAKE	HAND	LONG OR SET WITH HOOKS	TROT WITH BAITS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	-	83	112	167	2	7	56
ON BOATS AND SHORE:							
REGULAR	24	252	301	731	12	15	1,151
CASUAL	2	104	355	616	34	-	776
TOTAL	26	439	768	1,514	48	22	1,983
VESSELS, MOTOR	-	40	54	82	1	3	54
GROSS TONNAGE	-	370	538	763	14	48	415
BOATS:							
MOTOR	22	185	350	829	25	8	1,872
OTHER	-	4	-	159	-	-	12
GEAR:							
NUMBER	249	242	431	1,517	452	16	1,983
SQUARE YARDS	-	465,400	640,900	1,234,375	-	-	-
HOOKS OR BAITS	-	-	-	-	462	17,550	830,270

ITEM	DIP NETS, COMMON	SCRAPES	DREDGES			
			CLAM	CRAB	OYSTER, COMMON	OTHER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	-	149	-	453	-
ON BOATS AND SHORE:						
REGULAR	127	216	252	9	61	10
CASUAL	125	15	-	2	15	-
TOTAL	252	231	401	11	529	10
VESSELS:						
MOTOR	-	-	73	-	23	-
GROSS TONNAGE	-	-	645	-	274	-
SAIL	-	-	-	-	61	-
GROSS TONNAGE	-	-	-	-	741	-
TOTAL VESSELS	-	-	73	-	84	-
TOTAL GROSS TONNAGE	-	-	645	-	1,015	-
BOATS:						
MOTOR	184	231	126	7	32	10
OTHER	60	-	-	-	-	-
GEAR:						
NUMBER	252	462	199	11	216	10
YARDS AT MOUTH	-	524	200	11	243	10

(CONTINUED ON NEXT PAGE)

MARYLAND - OPERATING UNITS BY GEAR, 1960 - Continued

ITEM	TONGS		RAKES	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	OYSTER	OTHER			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	304	-	-	-	1,261
ON BOATS AND SHORE:					
REGULAR	2,909	78	5	20	4,025
CASUAL	1,490	67	1	35	3,810
TOTAL	4,703	145	6	55	9,096
VESSELS:					
MOTOR	180	-	-	-	389
GROSS TONNAGE	1,387	-	-	-	4,043
SAIL	-	-	-	-	61
GROSS TONNAGE	-	-	-	-	741
TOTAL VESSELS	180	-	-	-	450
TOTAL GROSS TONNAGE	1,387	-	-	-	4,784
BOATS:					
MOTOR	3,103	125	6	-	5,357
OTHER	67	-	-	-	441
ACCESSORY BOATS	-	-	-	-	41
GEAR, NUMBER	4,698	145	6	-	-

MARYLAND - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		OTTER TRAWLS		POUND NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	7,400	$111	-	-	3,233,400	$48,501
BLUEFISH	500	96	3,800	$196	3,800	686
BUTTERFISH	200	6	38,700	1,497	3,300	102
CARP	540,600	20,540	-	-	11,200	426
CATFISH AND BULLHEADS	74,600	5,298	-	-	109,900	7,805
COD	-	-	354,000	26,915	-	-
CRAPPIE	-	-	-	-	1,300	126
CROAKER	526,900	140,679	200	47	53,500	14,273
DRUM:						
BLACK	-	-	2,400	102	2,000	102
RED	-	-	-	-	200	2
EELS, COMMON	600	38	600	17	8,900	595
FLOUNDERS:						
GRAY SOLE	-	-	300	14	-	-
BLACKBACK	-	-	2,700	135	-	-
FLUKE	-	-	1,027,600	163,893	-	-
UNCLASSIFIED	-	-	3,000	78	11,400	1,139
GIZZARD SHAD	8,000	160	-	-	1,800	37
HAKE:						
RED	400	6	14,800	228	-	-
WHITE	-	-	300	8	-	-
HERRING, SEA	-	-	4,100	73	-	-
HICKORY SHAD	-	-	-	-	200	3
HOGCHOAKER	-	-	-	-	16,500	331
KING MACKEREL	-	-	1,100	140	500	105
KING WHITING OR "KINGFISH"	-	-	16,100	888	-	-
MENHADEN	16,100	273	-	-	2,882,900	49,009
PIKE OR PICKEREL	-	-	-	-	500	103
SCUP OR PORGY	-	-	104,400	4,801	-	-
SEA BASS	-	-	51,200	5,665	-	-
SEA TROUT OR WEAKFISH, GRAY	1,500	116	265,700	12,692	3,400	258
SHAD	2,700	421	200	15	286,300	44,374
SHARKS:						
GRAYFISH	-	-	41,000	1,443	-	-
UNCLASSIFIED	-	-	61,500	1,937	-	-
SKATES	-	-	300	9	-	-
SPOT	458,100	35,275	2,700	120	4,300	332
STRIPED BASS	1,704,000	260,716	200	41	442,200	67,661
STURGEON	-	-	10,700	2,521	200	50
SUCKERS	2,200	66	-	-	-	-
SWELLFISH	-	-	16,600	417	900	26
TAUTOG	-	-	100	4	-	-
TUNA, LITTLE	-	-	-	-	200	11
WHITE PERCH	141,400	13,714	-	-	94,000	9,120
WHITING	-	-	109,000	2,367	-	-

(CONTINUED ON NEXT PAGE)

MARYLAND - CATCH BY GEAR, 1960 - Continued

SPECIES	HAUL SEINES		OTTER TRAWLS		POUND NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
YELLOW PERCH.	4,600	$644	-	-	3,400	$476
UNCLASSIFIED:						
FOR FOOD.	4,600	395	600	$40	35,600	3,060
BAIT, REDUCTION, AND ANIMAL FOOD.	7,500	82	2,677,500	12,151	-	-
CONCHS.	-	-	49,300	4,897	-	-
SCALLOPS, SEA	-	-	200	63	-	-
SQUID	-	-	17,900	1,019	-	-
TERRAPIN.	300	60	-	-	-	-
TOTAL	3,502,200	478,696	4,878,800	244,433	7,211,800	248,713

SPECIES	HOOP AND FYKE NETS		POTS AND TRAPS		GILL NETS	
					ANCHOR	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	4,300	$64	-	-	46,800	$702
BLUEFISH.	-	-	-	-	800	134
CARP.	6,500	246	-	-	6,400	244
CATFISH AND BULLHEADS	273,600	18,044	-	-	14,600	1,037
CRAPPIE	100	14	-	-	-	-
CROAKER	-	-	-	-	3,800	1,004
EELS, COMMON.	500	34	183,100	$12,316	200	16
FLOUNDERS, UNCLASSIFIED . . .	200	22	-	-	500	52
GIZZARD SHAD.	400	8	-	-	4,700	94
HAKE, RED	-	-	3,900	77	-	-
HICKORY SHAD.	-	-	-	-	200	4
HOGCHOKER	100	2	-	-	-	-
MENHADEN.	-	-	-	-	1,900	32
MULLET.	-	-	-	-	2,000	137
PIKE OR PICKEREL.	600	113	-	-	1,000	208
SEA BASS.	-	-	76,400	11,701	-	-
SEA TROUT OR WEAKFISH, GRAY .	-	-	-	-	200	25
SHAD.	-	-	-	-	158,200	24,521
SPOT.	100	4	-	-	32,800	4,785
STRIPED BASS.	4,400	673	-	-	230,300	35,276
SUCKERS	200	6	-	-	100	3
SUNFISH	-	-	-	-	1,900	98
SWELLFISH	-	-	372,400	11,174	-	-
TAUTOG.	-	-	1,700	36	-	-
WHITE PERCH	30,600	2,970	-	-	114,700	11,120
YELLOW PERCH.	28,200	3,921	-	-	3,500	484
UNCLASSIFIED, FOR FOOD. . . .	-	-	-	-	100	7
CRABS, BLUE:						
HARD.	-	-	15,446,400	879,483	-	-
SOFT AND PEELER	-	-	328,600	71,186	-	-
LOBSTERS, NORTHERN.	-	-	1,400	691	-	-
TURTLES, SNAPPER.	-	-	61,000	7,265	-	-
TOTAL	349,800	26,121	16,474,900	993,929	624,700	79,983

SPECIES	GILL NETS - CONTINUED				LINES	
	DRIFT		STAKE		HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	44,100	$661	188,500	$2,828	-	-
BLUEFISH.	-	-	-	-	1,500	$364
BONITO.	-	-	-	-	100	19
CARP.	7,300	276	22,500	854	-	-
CATFISH AND BULLHEADS	21,800	1,545	46,900	3,328	-	-
COD	-	-	-	-	1,400	103
CROAKER	300	89	1,300	345	-	-
EELS, COMMON.	-	-	1,300	89	-	-
FLOUNDERS, UNCLASSIFIED . . .	1,400	135	200	22	-	-
GIZZARD SHAD.	500	9	7,300	146	-	-
HICKORY SHAD.	100	2	1,400	28	-	-
KING WHITING OR "KINGFISH". .	-	-	-	-	100	9
KING MACKEREL	40,200	4,882	-	-	-	-
MENHADEN.	-	-	3,000	52	-	-
MULLET.	-	-	600	40	-	-
PIKE OR PICKEREL.	-	-	800	154	-	-
SEA BASS.	-	-	-	-	400	71
SEA TROUT OR WEAKFISH, GRAY .	-	-	100	8	100	16
SHAD.	324,900	50,333	560,800	86,816	-	-
SHARKS:						
GRAYFISH.	100	6	-	-	-	-
UNCLASSIFIED.	300	6	-	-	-	-

(CONTINUED ON NEXT PAGE)

MARYLAND - CATCH BY GEAR, 1960 - Continued

SPECIES	GILL NETS - CONTINUED				LINES	
	DRIFT		STAKE		HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SPOT	-	-	400	$39	-	-
STRIPED BASS	771,900	$118,099	1,249,700	191,209	6,000	$1,174
SUNFISH	-	-	500	23	-	-
TUNA, BLUEFIN	-	-	-	-	300	27
WHITE PERCH	178,800	17,345	316,500	30,714	-	-
WHITING	1,900	38	-	-	-	-
YELLOW PERCH	2,300	326	21,300	2,958	-	-
UNCLASSIFIED, FOR FOOD	-	-	4,500	386	-	-
TURTLES, SNAPPER	-	-	-	-	7,500	904
TOTAL	1,395,900	193,752	2,427,600	320,039	17,400	2,687

SPECIES	LINES - CONTINUED				DIP NETS	
	LONG OR SET WITH HOOKS		TROT WITH BAITS			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH AND BULLHEADS	24,800	$1,612	-	-	-	-
COD	190,400	14,303	-	-	-	-
CRABS, BLUE:						
HARD	-	-	11,222,100	$638,882	22,900	$1,303
SOFT AND PEELER	-	-	94,200	20,277	41,100	8,900
TURTLES, SNAPPER	-	-	-	-	200	24
TOTAL	215,200	15,915	11,316,300	659,159	64,200	10,227

SPECIES	SCRAPES		DREDGES		TONGS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CRABS, BLUE:						
HARD	183,700	$10,472	192,900	$10,802	-	-
SOFT AND PEELER	2,324,000	511,277	-	-	-	-
CLAMS:						
HARD:						
PUBLIC	-	-	96,600	41,528	45,600	$20,075
PRIVATE	-	-	-	-	6,700	2,948
SOFT, PUBLIC	-	-	5,568,800	1,593,802	-	-
SURF	-	-	419,500	33,742	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	-	-	981,300	724,997	3,912,300	2,635,619
FALL	-	-	987,800	764,750	4,221,800	3,019,488
PRIVATE:						
SPRING	-	-	433,100	339,173	358,700	247,690
FALL	-	-	417,700	336,834	457,000	357,673
TERRAPIN	-	-	3,500	1,670	-	-
TOTAL	2,507,700	521,749	9,101,200	3,847,298	9,002,100	6,283,493

SPECIES	RAKES		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE
CLAMS, HARD:				
PUBLIC	7,100	$3,053	13,400	$5,839
PRIVATE	2,300	972	-	-
TOTAL	9,400	4,025	13,400	5,839

MARYLAND - OPERATING UNITS BY COUNTIES, 1960

ITEM	ANNE ARUNDEL	BALTIMORE	CALVERT	CAROLINE	CECIL	CHARLES	DORCHESTER	HARFORD
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS	54	12	31	-	17	6	280	2
ON BOATS AND SHORE:								
REGULAR	273	43	203	5	80	177	784	24
CASUAL	303	321	233	70	100	286	379	56
TOTAL	630	376	467	75	197	469	1,443	82
VESSELS:								
MOTOR	27	5	8	-	3	3	70	1
GROSS TONNAGE	241	56	104	-	31	27	560	13
SAIL	-	-	-	-	-	-	18	-
GROSS TONNAGE	-	-	-	-	-	-	211	-
TOTAL VESSELS	27	5	8	-	3	3	88	1
TOTAL GROSS TONNAGE	241	56	104	-	31	27	771	13
BOATS:								
MOTOR	414	323	306	51	86	299	755	59
OTHER	65	10	31	-	21	15	56	2
ACCESSORY BOATS	2	1	2	-	3	-	10	-
GEAR:								
HAUL SEINES, COMMON	4	7	14	-	15	11	13	2
LENGTH, YARDS	1,700	1,800	6,200	-	5,050	4,400	6,750	800
POUND NETS, FISH	24	-	7	-	30	18	121	4
HOOP AND FYKE NETS, FISH	10	27	-	-	55	1,202	12	105
POTS AND TRAPS:								
CRAB	4,100	4,225	775	-	-	3,120	10,010	180
EEL	150	48	225	48	650	95	1,800	120
TURTLE	45	-	-	-	28	-	48	-
GILL NETS:								
ANCHOR	31	25	25	1	45	5	38	8
SQUARE YARDS	65,950	43,900	14,750	1,600	109,700	6,700	70,400	24,300
DRIFT	4	6	9	27	18	7	71	8
SQUARE YARDS	11,750	13,000	4,700	31,350	33,300	8,300	96,500	16,300
STAKE	143	63	71	44	42	234	103	22
SQUARE YARDS	62,920	76,470	32,500	18,200	16,050	253,800	76,700	23,900
LINES:								
HAND	400	-	10	-	-	-	-	-
HOOKS	400	-	20	-	-	-	-	-
LONG OR SET WITH HOOKS	-	-	-	-	-	11	-	-
HOOKS	-	-	-	-	-	8,800	-	-
TROT WITH BAITS	162	257	103	2	8	76	430	37
BAITS	48,900	64,250	48,925	600	2,400	36,100	194,800	2,220
DIP NETS, COMMON	18	7	18	-	-	-	48	-
SCRAPES	-	-	-	-	-	-	128	-
YARDS AT MOUTH	-	-	-	-	-	-	164	-
DREDGES:								
CLAM	20	-	5	-	-	-	-	-
YARDS AT MOUTH	20	-	5	-	-	-	-	-
OYSTER, COMMON	10	-	10	-	-	1	50	-
YARDS AT MOUTH	13	-	11	-	-	1	55	-
OTHER	-	-	-	-	-	-	6	-
YARDS AT MOUTH	-	-	-	-	-	-	6	-
TONGS, OYSTER	262	-	243	-	-	253	908	-

ITEM	KENT	PRINCE GEORGES	QUEEN ANNES	ST. MARYS	SOMERSET	TALBOT	WICOMICO	WORCESTER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS	124	-	100	55	294	191	13	84
ON BOATS AND SHORE:								
REGULAR	204	4	576	558	362	444	145	143
CASUAL	119	54	269	424	366	329	351	150
TOTAL	447	58	945	1,037	1,022	964	509	377
VESSELS:								
MOTOR	54	-	50	15	65	50	6	33
GROSS TONNAGE	532	-	379	124	480	429	37	1,037
SAIL	-	-	-	-	30	13	-	-
GROSS TONNAGE	-	-	-	-	378	152	-	-
TOTAL VESSELS	54	-	50	15	95	63	6	33
TOTAL GROSS TONNAGE	532	-	379	124	858	581	37	1,037

(CONTINUED ON NEXT PAGE)

MARYLAND - OPERATING UNITS BY COUNTIES, 1960 - Continued

ITEM	KENT	PRINCE GEORGES	QUEEN ANNES	ST. MARYS	SOMERSET	TALBOT	WICOMICO	WORCESTER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
BOATS:								
MOTOR	225	23	560	667	482	532	345	230
OTHER	23	15	13	107	58	23	2	-
ACCESSORY BOATS	6	-	-	9	4	4	-	-
GEAR:								
HAUL SEINES, COMMON	13	6	2	16	4	6	-	-
LENGTH, YARDS	6,200	2,100	900	7,200	2,100	2,900	-	-
OTTER TRAWLS, FISH.	-	-	-	-	-	-	-	33
YARDS AT MOUTH.	-	-	-	-	-	-	-	936
POUND NETS, FISH.	19	-	-	9	48	29	7	-
HOOP AND FYKE NETS, FISH.	16	20	-	-	5	18	18	-
POTS AND TRAPS:								
CRAB.	1,820	150	1,850	3,500	16,760	2,130	80	9,300
EEL	850	-	1,140	40	110	1,500	20	-
FISH.	-	-	-	-	-	-	-	600
TURTLE.	108	-	-	-	20	-	-	-
GILL NETS:								
ANCHOR.	25	-	6	6	1	18	-	8
SQUARE YARDS.	61,800	-	13,000	8,400	300	35,300	-	9,300
DRIFT	78	3	5	1	66	51	70	7
SQUARE YARDS.	160,100	2,000	9,200	2,800	18,800	151,350	76,000	5,450
STAKE	314	21	56	116	99	106	59	24
SQUARE YARDS.	368,575	5,100	32,100	98,700	50,620	82,040	28,600	8,100
LINES:								
HAND.	-	-	-	26	-	-	-	16
HOOKS	-	-	-	26	-	-	-	16
LONG OR SET WITH HOOKS.	-	-	-	-	-	-	-	5
HOOKS	-	-	-	-	-	-	-	8,750
TROT WITH BAITS	59	-	112	127	261	279	35	35
BAITS	26,375	-	55,450	57,100	129,400	139,200	14,050	10,500
DIP NETS, COMMON.	6	-	23	26	80	26	-	-
SCRAPES	-	-	-	-	306	28	-	-
YARDS AT MOUTH.	-	-	-	-	325	35	-	-
DREDGES:								
CLAM.	28	-	98	-	-	45	-	3
YARDS AT MOUTH.	28	-	98	-	-	45	-	4
CRAB.	-	-	-	-	-	-	-	11
YARDS AT MOUTH.	-	-	-	-	-	-	-	11
OYSTER, COMMON.	-	-	-	7	74	28	-	36
YARDS AT MOUTH.	-	-	-	8	85	33	-	37
OTHER	-	-	4	-	-	-	-	-
YARDS AT MOUTH.	-	-	4	-	-	-	-	-
TONGS:								
OYSTER.	199	-	699	774	413	584	352	11
OTHER	-	-	-	-	-	-	-	145
RAKES	-	-	-	-	-	-	-	6

MARYLAND - CATCH BY COUNTIES, 1960

SPECIES	ANNE ARUNDEL		BALTIMORE		CALVERT	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	306,500	$4,598	7,700	$116	5,200	$79
BLUEFISH.	2,600	474	-	-	300	62
BUTTERFISH.	100	3	-	-	-	-
CARP.	9,500	361	14,900	556	2,100	79
CATFISH	4,200	297	19,600	1,391	7,800	557
CROAKER	-	-	-	-	204,900	54,703
EELS, COMMON.	13,700	971	1,900	128	4,200	281
GIZZARD SHAD.	400	8	-	-	100	2
HICKORY SHAD.	-	-	-	-	200	4
MACKEREL.	100	23	-	-	-	-
MENHADEN.	607,800	10,333	300	6	-	-
SEA TROUT OR WEAKFISH, GRAY	300	23	-	-	200	14
SHAD.	23,500	3,650	43,400	6,729	7,200	1,114
SPOT.	1,600	125	-	-	33,600	2,590
STRIPED BASS.	150,100	22,967	92,000	14,064	147,600	22,539
SUCKERS	600	18	100	2	-	-
WHITE PERCH	34,100	3,304	15,700	1,523	39,000	3,781
YELLOW PERCH.	3,600	489	3,500	490	800	112
CRABS, BLUE:						
HARD.	334,100	19,043	167,700	9,557	89,000	5,074
SOFT AND PEELER	11,000	2,420	17,700	3,903	16,400	3,598

(CONTINUED ON NEXT PAGE)

MARYLAND - CATCH BY COUNTIES, 1960 - Continued

SPECIES	ANNE ARUNDEL		BALTIMORE		CALVERT	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CLAMS, SOFT, PUBLIC	792,500	$231,144	-	-	135,000	$35,712
OYSTERS, MARKET:						
PUBLIC:						
SPRING	507,500	335,894	-	-	342,900	237,263
FALL	523,400	389,068	-	-	373,800	279,724
PRIVATE:						
SPRING	124,100	78,148	-	-	146,700	68,193
FALL	159,400	111,652	-	-	147,000	65,934
TURTLES, SNAPPER	17,000	2,044	-	-	200	24
TOTAL	3,627,700	1,217,057	384,500	$38,475	1,704,200	781,439

SPECIES	CAROLINE		CECIL		CHARLES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	19,500	$293	1,084,700	$16,270	11,700	$176
BULLHEADS	-	-	-	-	200	14
CARP	800	30	92,000	3,496	40,700	1,546
CATFISH	10,200	728	70,300	4,889	241,900	15,836
CROAKER	-	-	-	-	400	111
EELS, COMMON	1,500	101	23,200	1,554	2,900	195
GIZZARD SHAD	-	-	-	-	11,700	233
HICKORY SHAD	-	-	100	2	-	-
MENHADEN	-	-	8,300	141	-	-
PIKE OR PICKEREL	-	-	900	173	-	-
SHAD	4,900	761	177,300	27,469	32,500	5,031
SPOT	-	-	-	-	300	25
STRIPED BASS	68,800	10,517	156,400	23,941	353,500	54,069
SUCKERS	-	-	1,600	49	-	-
WHITE PERCH	41,400	4,014	32,000	3,098	29,600	2,886
YELLOW PERCH	1,600	221	1,900	269	7,500	1,050
CRABS, BLUE:						
HARD	1,200	69	5,600	319	455,100	25,486
SOFT AND PEELER	-	-	-	-	2,800	560
OYSTERS, MARKET:						
PUBLIC:						
SPRING	-	-	-	-	64,200	42,780
FALL	-	-	-	-	121,300	90,837
PRIVATE, FALL	-	-	-	-	15,000	11,250
TURTLES, SNAPPER	-	-	300	33	-	-
TOTAL	149,900	16,734	1,654,600	81,703	1,391,300	252,085

SPECIES	DORCHESTER		HARFORD		KENT	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	585,600	$8,784	305,400	$4,581	91,000	$1,364
BLUEFISH	700	122	-	-	-	-
CARP	19,100	724	321,900	12,232	72,800	2,767
CATFISH	77,400	5,498	28,900	1,961	52,200	3,706
CRAPPIE	1,300	130	100	10	-	-
CROAKER	64,500	17,211	-	-	300	66
DRUM, BLACK	600	29	-	-	-	-
EELS, COMMON	34,800	2,331	4,000	268	23,300	1,564
FLOUNDERS, UNCLASSIFIED	9,200	923	-	-	2,300	228
GIZZARD SHAD	100	1	100	2	7,200	145
HAKE, RED	-	-	-	-	400	6
HICKORY SHAD	-	-	-	-	1,100	23
MENHADEN	215,200	3,658	-	-	8,000	135
PIKE OR PICKEREL	700	147	-	-	300	58
SEA TROUT OR WEAKFISH, GRAY	400	28	-	-	100	4
SHAD	162,400	25,115	50,500	7,834	564,100	87,422
SPOT	18,600	1,432	-	-	5,900	452
STRIPED BASS	565,300	86,543	21,100	3,219	1,619,400	247,792
SUCKERS	-	-	100	4	-	-
SUNFISH	-	-	-	-	1,900	101
WHITE PERCH	178,000	17,268	6,800	657	263,900	25,600
YELLOW PERCH	800	113	2,800	388	15,600	2,170
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	7,500	82
CRABS, BLUE:						
HARD	8,779,300	500,419	23,300	1,327	370,100	21,096
SOFT AND PEELER	350,400	77,089	400	88	3,700	814
CLAMS, SOFT, PUBLIC	-	-	-	-	531,000	132,759
OYSTERS, MARKET, PUBLIC:						
SPRING	1,266,100	898,414	-	-	198,700	129,495
FALL	1,301,900	948,699	-	-	169,800	113,764
TERRAPIN	3,100	1,460	-	-	-	-
TURTLES, SNAPPER	28,400	3,360	-	-	22,400	2,688
TOTAL	13,663,900	2,599,498	765,400	32,571	4,033,000	774,301

(CONTINUED ON NEXT PAGE)

MARYLAND - CATCH BY COUNTIES, 1960 - Continued

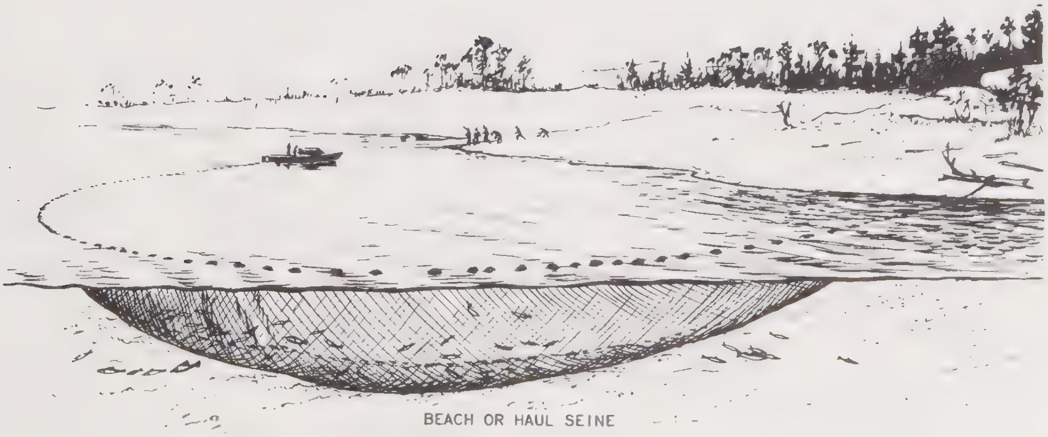
SPECIES	PRINCE GEORGES		QUEEN ANNES		ST. MARYS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	300	$4	2,300	$34	32,000	$480
BLUEFISH	-	-	-	-	200	35
BUTTERFISH	-	-	-	-	200	6
CARP	6,300	239	400	15	800	30
CATFISH	8,400	596	600	40	500	36
CROAKER	-	-	-	-	238,500	63,661
EELS, COMMON	-	-	38,400	2,573	1,100	76
FLOUNDERS, UNCLASSIFIED	-	-	-	-	600	56
HICKORY SHAD	-	-	-	-	100	1
MENHADEN	-	-	-	-	3,300	56
PIKE OR PICKEREL	-	-	200	40	-	-
SEA TROUT OR WEAKFISH, GRAY	-	-	-	-	1,300	103
SHAD	1,400	217	7,600	1,179	10,600	1,637
SPOT	-	-	-	-	333,900	25,713
STRIPED BASS	5,000	758	25,800	3,949	332,000	51,014
TUNA, LITTLE	-	-	-	-	100	9
WHITE PERCH	3,200	306	14,000	1,359	37,500	3,635
YELLOW PERCH	-	-	100	21	2,100	300
CRABS, BLUE:						
HARD	1,200	67	374,900	21,368	960,900	53,812
SOFT AND PEELER	-	-	6,100	1,332	79,600	15,916
CLAMS, SOFT, PUBLIC	-	-	2,436,800	706,105	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	-	-	1,030,600	681,580	282,700	197,784
FALL	-	-	1,201,900	850,118	249,100	189,483
PRIVATE:						
SPRING	-	-	5,600	3,592	65,900	50,120
FALL	-	-	-	-	36,500	29,516
TERRAPIN	-	-	400	210	300	60
TOTAL	25,800	2,187	5,145,700	2,273,515	2,669,800	683,539

SPECIES	SOMERSET		TALBOT		WICOMICO		WORCHESTER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	206,600	$3,099	838,500	$12,577	27,100	$406	400	$6
BLUEFISH	-	-	1,200	214	-	-	5,400	569
BONITO	-	-	-	-	-	-	100	19
BUTTERFISH	400	12	2,500	78	300	9	38,700	1,497
CARP	2,500	95	5,900	224	4,800	182	-	-
CATFISH	15,800	1,121	11,100	787	17,000	1,207	100	5
COD	-	-	-	-	-	-	545,800	41,321
CROAKER	3,500	947	73,600	19,651	100	40	200	47
DRUM:								
BLACK	1,400	73	-	-	-	-	2,400	102
RED	200	2	-	-	-	-	-	-
EELS, COMMON	19,500	1,304	25,300	1,697	700	44	700	18
FLOUNDERS:								
GRAY SOLE	-	-	-	-	-	-	300	14
BLACKBACK	-	-	-	-	-	-	2,700	135
FLUKE	-	-	-	-	-	-	1,027,600	163,893
UNCLASSIFIED	1,100	109	200	22	300	32	3,000	78
GIZZARD SHAD	500	11	1,000	20	1,600	32	-	-
HAKE:								
RED	-	-	-	-	-	-	18,700	305
WHITE	-	-	-	-	-	-	300	8
HERRING, SEA	-	-	-	-	-	-	4,100	73
HICKORY SHAD	200	4	200	3	-	-	-	-
HOGCHOKER	16,600	333	-	-	-	-	-	-
KING WHITING OR "KINGFISH"	-	-	-	-	-	-	16,200	897
MACKEREL	-	-	400	82	-	-	41,300	5,022
MENHADEN	220,400	3,747	1,840,600	31,290	-	-	-	-
MULLET	-	-	-	-	-	-	2,600	177
PIKE OR PICKEREL	200	42	200	42	400	76	-	-
SCUP OR PORGY	-	-	-	-	-	-	104,400	4,801
SEA BASS	-	-	-	-	-	-	128,000	17,437
SEA TROUT OR WEAKFISH, GRAY	-	-	2,700	210	-	-	266,000	12,733
SHAD	58,100	8,982	116,800	18,089	67,900	10,512	4,900	739
SHARKS:								
GRAYFISH	-	-	-	-	-	-	41,100	1,449
UNCLASSIFIED	-	-	-	-	-	-	61,800	1,943
SKATES	-	-	-	-	-	-	300	9
SPOT	4,000	304	65,700	5,055	-	-	34,800	4,859
STRIPED BASS	102,700	15,711	681,800	104,337	86,300	13,217	900	212
STURGEON	200	50	-	-	-	-	10,700	2,521
SUCKERS	-	-	-	-	-	-	100	2

(CONTINUED ON NEXT PAGE)

MARYLAND - CATCH BY COUNTIES, 1960 - Continued

SPECIES	SOMERSET		TALBOT		WICOMICO		WORCHESTER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SUNFISH	-	-	500	$20	-	-	-	-
SWELLFISH	373,300	$11,200	-	-	-	-	16,600	$417
TAUTOG	-	-	-	-	-	-	1,800	40
TUNA:								
BLUEFIN	-	-	-	-	-	-	300	27
LITTLE	-	-	100	2	-	-	-	-
WHITE PERCH	16,000	1,552	135,700	13,175	29,100	$2,825	-	-
WHITING	-	-	-	-	-	-	110,900	2,405
YELLOW PERCH	200	23	22,700	3,151	100	12	-	-
UNCLASSIFIED:								
FOR FOOD	44,700	3,841	-	-	-	-	700	47
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	-	-	2,677,500	12,151
CRABS, BLUE:								
HARD	7,718,900	439,975	7,238,600	412,601	36,800	2,097	511,300	28,632
SOFT AND PEELER	2,230,700	490,752	67,700	14,891	-	-	1,400	277
LOBSTERS, NORTHERN	-	-	-	-	-	-	1,400	691
CLAMS:								
HARD:								
PUBLIC	-	-	-	-	-	-	162,700	70,495
PRIVATE	-	-	-	-	-	-	9,000	3,920
SOFT, PUBLIC	-	-	1,673,500	488,082	-	-	-	-
SURF	-	-	-	-	-	-	419,500	33,742
CONCHS	-	-	-	-	-	-	49,300	4,897
OYSTERS, MARKET:								
PUBLIC:								
SPRING	740,500	523,026	336,900	238,740	123,500	75,640	-	-
FALL	798,200	577,679	280,900	210,598	189,300	134,268	-	-
PRIVATE:								
SPRING	124,700	90,630	-	-	140,100	90,864	184,700	205,316
FALL	156,400	124,202	-	-	174,100	138,743	186,300	213,210
SCALLOPS, SEA	-	-	-	-	-	-	200	63
SQUID	-	-	-	-	-	-	17,900	1,019
TURTLES, SNAPPER	400	44	-	-	-	-	-	-
TOTAL	12,857,900	2,298,870	13,424,300	1,575,638	899,500	470,206	6,715,100	838,240



BEACH OR HAUL SEINE

CHESAPEAKE FISHERIES

VIRGINIA

OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	PURSE SEINES, MENHADEN	OTTER TRAWLS, FISH	POUND NETS		HOOP AND FYKE NETS, FISH
				CRAB	FISH	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	32	464	371	2	12	8
ON BOATS AND SHORE:						
REGULAR	418	-	12	307	744	102
CASUAL	248	-	4	142	396	65
TOTAL	698	464	387	451	1,152	175
VESSELS, MOTOR	11	27	99	1	5	3
GROSS TONNAGE	87	5,642	5,537	9	47	26
BOATS:						
MOTOR	180	-	8	378	329	105
OTHER	144	-	-	12	261	15
ACCESSORY BOATS	-	78	-	-	-	-
GEAR:						
NUMBER	209	27	107	2,550	778	546
LENGTH, YARDS	126,040	10,050	-	-	-	-
YARDS AT MOUTH	-	-	2,693	-	-	-

ITEM	POTS AND TRAPS				SLAT TRAPS	GILL NETS
	CRAB	EEL	FISH	TURTLE		ANCHOR
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	192	8	3	-	-	-
ON BOATS AND SHORE:						
REGULAR	877	34	89	9	-	169
CASUAL	320	27	48	16	3	151
TOTAL	1,389	69	140	25	3	320
VESSELS, MOTOR	126	3	1	-	-	-
GROSS TONNAGE	913	26	11	-	-	-
BOATS:						
MOTOR	1,169	53	94	9	-	165
OTHER	-	3	5	9	3	-
GEAR:						
NUMBER	137,075	1,463	3,913	289	3	165
SQUARE YARDS	-	-	-	-	-	53,640

ITEM	GILL NETS - CONTINUED		LINES			DIP NETS, COMMON	SCRAPES
	DRIFT	STAKE	HAND	LONG OR SET WITH HOOKS	TROT WITH BAITS		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	87	2	26	-	-	-	4
ON BOATS AND SHORE:							
REGULAR	421	469	24	38	194	114	48
CASUAL	529	391	74	32	71	69	24
TOTAL	1,037	862	124	70	265	183	76
VESSELS, MOTOR	37	1	12	-	-	-	2
GROSS TONNAGE	424	8	140	-	-	-	13
BOATS:							
MOTOR	530	599	52	62	248	179	57
OTHER	10	10	11	4	-	2	-
GEAR:							
NUMBER	594	1,118	588	76	248	183	101
SQUARE YARDS	792,340	553,950	-	-	-	-	-
HOOKS AND BAITS	-	-	595	11,990	149,900	-	-
YARDS AT MOUTH	-	-	-	-	-	-	167

(CONTINUED ON NEXT PAGE)

VIRGINIA - OPERATING UNITS BY GEAR, 1960 - Continued

ITEM	DREDGES				TONGS	
	CLAM	CRAB	OYSTER, COMMON	SCALLOP	OYSTER	OTHER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	8	386	616	123	442	28
ON BOATS AND SHORE:						
REGULAR	38	46	447	-	2,015	561
CASUAL.	11	34	177	-	696	294
TOTAL	57	466	1,240	123	3,153	883
VESSELS, MOTOR.	3	137	205	19	215	13
GROSS TONNAGE	24	1,937	3,230	1,337	1,776	101
BOATS:						
MOTOR	31	47	313	-	2,007	535
OTHER	-	-	2	-	31	54
ACCESSORY BOATS	-	-	3	-	-	-
GEAR:						
NUMBER.	34	337	771	38	3,153	883
YARDS AT MOUTH.	27	379	833	126	-	-

ITEM	RAKES		BY HAND		TOTAL, EXCLUSIVE OF DUPLI- CATION
	OYSTER	OTHER	OYSTER	OTHER	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	-	10	-	-	2,560
ON BOSTS AND SHORE:					
REGULAR	68	603	165	413	4,759
CASUAL.	35	332	40	115	3,087
TOTAL	103	945	205	528	10,406
VESSELS, MOTOR.	-	3	-	-	790
GROSS TONNAGE	-	28	-	-	20,075
BOATS:					
MOTOR	64	503	62	156	4,486
OTHER	8	108	20	44	650
ACCESSORY BOATS	-	-	-	-	81
GEAR, NUMBER.	103	945	-	-	-

VIRGINIA - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	297,000	$4,597	-	-	-	-
BLUEFISH.	26,900	3,586	-	-	38,300	$6,200
BONITO.	4,000	539	-	-	-	-
BOWFIN.	2,800	56	-	-	-	-
BULLHEADS	132,400	8,290	-	-	-	-
BUTTERFISH.	104,600	8,749	-	-	725,600	61,280
CABIO	1,600	208	-	-	-	-
CARP.	259,300	10,155	-	-	-	-
CATFISH	168,500	12,568	-	-	-	-
COD	-	-	-	-	6,200	402
CROAKER	2,081,200	302,425	-	-	256,700	41,179
DRUM:						
BLACK	35,100	1,430	-	-	7,000	460
RED	14,700	1,201	-	-	2,600	220
EELS:						
COMMON.	20,100	2,372	-	-	-	-
CONGER.	-	-	-	-	400	5
FLOUNDERS:						
FLUKE	102,500	16,990	-	-	2,294,800	349,390
UNCLASSIFIED.	17,700	2,275	-	-	81,000	10,140
GIZZARD SHAD.	67,200	858	-	-	-	-
HAKE:						
RED	-	-	-	-	2,700	147
WHITE	-	-	-	-	28,800	2,221
HARVESTFISH	88,100	7,520	-	-	33,600	3,060

(CONTINUED ON NEXT PAGE)

VIRGINIA - CATCH BY GEAR, 1960 - Continued

SPECIES	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HERRING:						
SEA	-	-	-	-	300	$6
THREAD	-	-	351,000	$3,243	-	-
HICKORY SHAD	700	$35	-	-	-	-
KING MACKEREL	1,600	200	-	-	-	-
KING WHITING OR "KINGFISH"	12,200	1,024	-	-	28,700	2,506
MACKEREL	-	-	-	-	2,400	405
MENHADEN	4,515,300	64,304	223,244,400	1,883,886	-	-
MULLET	33,800	2,679	-	-	-	-
PIGFISH	300	24	-	-	200	10
POLLOCK	-	-	-	-	400	28
POMPANO	600	60	-	-	-	-
SAND PERCH	-	-	-	-	300	9
SCUP OR PORGY	-	-	-	-	13,397,600	759,822
SEA BASS	5,400	636	-	-	3,455,500	489,865
SEA ROBIN	-	-	-	-	500	10
SEA TROUT OR WEAKFISH:						
GRAY	187,100	23,598	-	-	226,900	27,491
SPOTTED	31,800	6,141	-	-	-	-
SHAD	7,000	1,215	-	-	-	-
SHARKS:						
GRAYFISH	-	-	-	-	7,400	267
UNCLASSIFIED	7,800	234	-	-	35,000	1,066
SPOT	2,073,300	190,117	-	-	800	56
STRIPED BASS	408,000	56,569	-	-	-	-
STURGEON	900	270	-	-	5,000	1,360
SUCKERS	2,600	144	-	-	-	-
SWELLFISH	40,600	1,180	-	-	6,200	198
TAUTOG	2,700	140	-	-	400	20
TILEFISH	-	-	-	-	11,400	765
TUNA, LITTLE	4,200	120	-	-	-	-
WHITE PERCH	150,800	9,711	-	-	1,600	54
WHITING	-	-	-	-	429,900	13,868
YELLOW PERCH	6,600	660	-	-	-	-
UNCLASSIFIED:						
FOR FOOD	6,300	565	-	-	4,100	260
BAIT, REDUCTION, AND ANIMAL FOOD	573,100	7,010	-	-	2,448,400	19,574
LOBSTERS, NORTHERN	-	-	-	-	28,000	10,722
CONCHS	-	-	-	-	18,000	1,684
SQUID	-	-	-	-	284,000	21,621
TERRAPIN	6,700	3,789	-	-	-	-
TURTLES, SNAPPER	1,800	270	-	-	-	-
TOTAL	11,504,900	754,514	223,595,400	1,887,129	23,870,700	1,826,371

SPECIES	POUND NETS		HOOP AND FYKE NETS		POTS AND TRAPS		SLAT TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	14,335,100	$216,497	687,700	$10,530	-	-	34,000	$600
BLUEFISH	59,900	8,269	-	-	-	-	-	-
BONITO	9,000	1,202	-	-	-	-	-	-
BULLHEADS	87,100	5,328	502,200	31,499	680,500	$42,440	-	-
BUTTERFISH	256,300	21,918	-	-	-	-	-	-
CABIO	6,200	985	-	-	-	-	-	-
CARP	24,900	685	45,800	1,422	-	-	-	-
CATFISH	94,300	7,070	621,600	43,362	452,800	30,298	-	-
COD	200	15	-	-	-	-	-	-
CROAKER	1,052,400	193,853	4,400	665	-	-	-	-
DRUM:								
BLACK	75,500	3,820	-	-	-	-	-	-
RED	12,100	987	-	-	-	-	-	-
EELS, COMMON	64,100	7,765	24,800	2,821	81,300	9,476	-	-
FLOUNDERS:								
FLUKE	271,900	43,653	-	-	-	-	-	-
UNCLASSIFIED	25,000	3,213	-	-	-	-	-	-
GIZZARD SHAD	56,300	571	102,300	1,304	-	-	-	-
HARVESTFISH	125,600	12,400	-	-	-	-	-	-
HERRING, SEA	5,700	114	-	-	-	-	-	-
HICKORY SHAD	14,800	740	1,100	54	-	-	300	15
KING MACKEREL	3,300	425	-	-	-	-	-	-
KING WHITING OR "KINGFISH"	13,900	1,155	-	-	-	-	-	-
MACKEREL	7,100	1,158	-	-	-	-	-	-
MENHADEN	18,001,500	269,274	234,500	3,485	-	-	-	-
MULLET	25,700	2,091	8,100	638	-	-	-	-
PIGFISH	5,400	322	-	-	-	-	-	-
SCUP OR PORGY	6,700	376	-	-	-	-	-	-
SEA BASS	8,100	830	-	-	185,800	28,177	-	-

(CONTINUED ON NEXT PAGE)

VIRGINIA - CATCH BY GEAR, 1960 - Continued

SPECIES	POUND NETS		HOOP AND FYKE NETS		POTS AND TRAPS		SLAT TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SEA TROUT OR WEAKFISH:								
GRAY	376,700	$45,746	100	$12	-	-	-	-
SPOTTED	21,900	4,260	-	-	-	-	-	-
SHAD	722,600	126,857	38,300	6,421	-	-	-	-
SHARKS, UNCLASSIFIED	17,900	539	-	-	-	-	-	-
SPANISH MACKEREL	19,900	3,410	-	-	-	-	-	-
SPOT	1,305,500	120,455	28,900	2,450	-	-	-	-
STRIPED BASS	926,800	131,444	166,300	22,905	-	-	-	-
STURGEON	11,600	3,455	-	-	-	-	-	-
SUCKERS	2,800	166	2,600	142	-	-	200	$12
SUNFISH	500	40	-	-	-	-	-	-
SWELLFISH	641,500	17,862	-	-	246,600	$6,345	-	-
TAUTOG	13,600	680	-	-	-	-	-	-
TUNA, LITTLE	5,900	165	-	-	-	-	-	-
WHITE PERCH	162,000	10,139	211,400	13,921	-	-	-	-
WHITING	4,800	143	-	-	-	-	-	-
YELLOW PERCH	500	49	1,000	110	-	-	-	-
UNCLASSIFIED:								
FOR FOOD	19,800	1,739	1,500	132	-	-	-	-
BAIT, REDUCTION, AND ANIMAL FOOD	1,165,400	12,300	-	-	-	-	-	-
CRABS, BLUE:								
HARD	118,900	6,597	-	-	26,948,800	1,282,715	-	-
SOFT AND PEELER	789,200	209,808	-	-	493,600	151,607	-	-
LOBSTERS, NORTHERN	-	-	-	-	1,000	300	-	-
TERRAPIN	-	-	4,800	1,875	-	-	-	-
TURTLES:								
LOGGERHEAD	1,600	16	-	-	-	-	-	-
SNAPPER	-	-	4,700	655	100,700	14,285	-	-
TOTAL	40,977,500	1,500,586	2,692,100	144,403	29,191,100	1,565,643	34,500	627

SPECIES	GILL NETS					
	ANCHOR		DRIFT		STAKE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	70,600	$1,004	39,600	$585
BLUEFISH	3,000	$733	-	-	1,000	165
BULLHEADS	-	-	-	-	3,700	225
BUTTERFISH	-	-	1,400	147	-	-
CARP	-	-	400	13	1,200	30
CATFISH	-	-	-	-	10,400	729
COD	-	-	200	20	-	-
CROAKER	239,400	45,975	298,600	58,410	-	-
FLOUNDERS, FLUKE	-	-	100	15	-	-
GIZZARD SHAD	-	-	200	2	1,800	18
HERRING, SEA	-	-	400	12	-	-
HICKORY SHAD	-	-	4,400	220	7,300	365
KING WHITING OR "KINGFISH"	-	-	-	-	300	40
MACKEREL	-	-	472,900	70,202	-	-
MENHADEN	-	-	-	-	5,600	80
MULLET	-	-	13,000	1,095	7,100	568
SEA TROUT OR WEAKFISH, GRAY	6,800	1,002	8,200	1,036	1,500	165
SHAD	-	-	263,500	45,730	317,300	53,950
SHARKS:						
GRAYFISH	1,500	45	720,300	16,089	-	-
UNCLASSIFIED	-	-	800	45	-	-
SPOT	227,800	24,763	191,100	17,340	78,600	7,168
STRIPED BASS	13,200	2,001	31,300	4,545	721,100	97,032
SUCKERS	-	-	-	-	1,600	93
WHITE PERCH	-	-	1,300	90	42,900	2,769
WHITING	-	-	5,100	169	-	-
YELLOW PERCH	-	-	-	-	100	10
UNCLASSIFIED:						
FOR FOOD	500	42	1,400	115	1,700	116
BAIT, REDUCTION, AND ANIMAL FOOD	7,600	131	47,800	790	-	-
TOTAL	499,800	74,692	2,133,000	217,089	1,242,800	164,108

(CONTINUED ON NEXT PAGE)

VIRGINIA - CATCH BY GEAR, 1960 - Continued

SPECIES	LINES					
	HAND		LONG OR SET WITH HOOKS		TROT WITH BAITS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	800	$190	-	-	-	-
BONITO	1,000	85	-	-	-	-
BULLHEADS	-	-	50,600	$3,049	-	-
CABIO	11,300	1,989	-	-	-	-
CATFISH	-	-	187,900	13,093	-	-
COD	100	6	2,500	328	-	-
DRUM, BLACK	54,800	4,426	-	-	-	-
EELS, COMMON	-	-	2,000	230	-	-
FLOUNDERS:						
FLUKE	7,500	1,214	-	-	-	-
UNCLASSIFIED	600	47	-	-	-	-
KING WHITING OR "KINGFISH"	1,800	121	-	-	-	-
MACKEREL	100	13	-	-	-	-
SCUP OR PORGY	2,400	188	-	-	-	-
SEA BASS	14,000	3,070	-	-	-	-
SEA TROUT OR WEAKFISH:						
GRAY	2,500	297	-	-	-	-
SPOTTED	1,200	300	-	-	-	-
SPADEFISH	200	10	-	-	-	-
SPOT	400	60	-	-	-	-
STRIPED BASS	700	106	11,000	950	-	-
SWELLFISH	600	15	-	-	-	-
TAUTOG	700	50	-	-	-	-
WHITING	100	2	-	-	-	-
UNCLASSIFIED:						
FOR FOOD	5,300	457	-	-	-	-
BAIT, REDUCTION, AND ANIMAL FOOD	800	13	-	-	-	-
CRABS, BLUE:						
HARD	-	-	-	-	1,650,100	$76,744
SOFT AND PEELER	-	-	-	-	31,500	8,826
TURTLES, SNAPPER	103,300	14,631	17,200	2,380	-	-
TOTAL	210,200	27,290	271,200	20,030	1,681,600	85,570

SPECIES	DIP NETS		SCRAPES		DREDGES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS, FLUKE	-	-	-	-	53,400	$9,000
CRABS, BLUE:						
HARD	7,100	$352	-	-	10,545,100	627,618
SOFT AND PEELER	37,800	10,904	200,000	$56,399	-	-
LOBSTERS, NORTHERN	-	-	-	-	2,100	810
CLAMS:						
HARD:						
PUBLIC	-	-	-	-	353,300	167,199
PRIVATE	-	-	-	-	165,200	76,126
SOFT, PUBLIC	-	-	-	-	900	220
CONCHS	-	-	-	-	108,100	9,739
OYSTERS, MARKET:						
PUBLIC:						
SPRING	-	-	-	-	181,600	126,853
FALL	-	-	-	-	279,100	195,060
PRIVATE:						
SPRING	-	-	-	-	5,171,400	3,676,801
FALL	-	-	-	-	5,258,600	3,714,000
SCALLOPS, SEA	-	-	-	-	781,100	289,986
TOTAL	44,900	11,256	200,000	56,399	22,899,900	8,893,412

SPECIES	TONGS		RAKES		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CRABS, SOFT AND PEELER	-	-	-	-	38,100	$12,264
CLAMS, HARD:						
PUBLIC	466,700	$208,708	174,700	$77,671	129,200	60,100
PRIVATE	216,800	96,360	90,600	40,419	64,800	29,549
CONCHS	-	-	-	-	4,300	225
OYSTERS, MARKET:						
PUBLIC:						
SPRING	1,355,500	966,028	4,900	3,352	15,900	10,870
FALL	2,117,600	1,510,820	9,700	6,677	31,800	21,740
PRIVATE:						
SPRING	493,100	351,193	-	-	2,400	1,665
FALL	414,000	294,557	-	-	4,800	3,330
TOTAL	5,063,700	3,427,666	279,900	128,119	291,300	139,743

VIRGINIA - OPERATING UNITS BY COUNTIES , 1960

ITEM	ACCOMACK	CHARLES CITY	CHESTER-FIELD	ELIZABETH CITY	ESSEX	FAIRFAX	GLOUCESTER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	458	-	-	213	-	-	176
ON BOATS AND SHORE:							
REGULAR	578	37	12	76	23	21	199
CASUAL	397	73	32	48	47	13	166
TOTAL	1,433	110	44	337	70	34	541
VESSELS, MOTOR	173	-	-	60	-	-	74
GROSS TONNAGE	2,355	-	-	1,826	-	-	864
BOATS:							
MOTOR	515	58	15	66	38	19	202
OTHER	139	11	7	12	6	7	29
GEAR:							
HAUL SEINES, COMMON	31	3	2	-	2	-	10
LENGTH, YARDS	6,100	1,600	530	-	1,400	-	10,000
OTTER TRAWLS, FISH	35	-	-	23	-	-	-
YARDS AT MOUTH	656	-	-	660	-	-	-
POUND NETS:							
CRAB	324	-	-	-	63	-	45
FISH	60	-	-	24	6	-	45
HOOP AND FYKE NETS, FISH	12	43	6	-	9	70	-
POTS AND TRAPS:							
CRAB	15,198	-	-	4,000	480	-	10,500
EEL	-	72	25	-	22	210	47
FISH	650	204	114	-	34	611	-
TURTLE	-	38	16	-	18	-	-
SLAT TRAPS	-	-	3	-	-	-	-
GILL NETS:							
ANCHOR	1	-	-	21	-	-	29
SQUARE YARDS	1,440	-	-	7,300	-	-	10,500
DRIFT	48	39	17	17	6	8	16
SQUARE YARDS	309,200	40,400	14,700	6,100	7,100	9,400	7,400
STAKE	11	15	6	-	33	-	68
SQUARE YARDS	3,450	4,400	1,100	-	22,000	-	39,400
LINES:							
HAND	39	96	30	-	22	-	-
HOOKS	41	96	30	-	22	-	-
LONG OR SET WITH HOOKS	4	19	9	-	-	-	9
HOOKS	1,300	3,300	1,300	-	-	-	1,100
TROT WITH BAITS	31	-	-	6	-	-	3
BAITS	21,000	-	-	3,700	-	-	1,900
DIP NETS, COMMON	24	-	-	-	-	-	8
SCRAPES	95	-	-	-	-	-	-
YARDS AT MOUTH	158	-	-	-	-	-	-
DREDGES:							
CLAM	24	-	-	-	-	-	-
YARDS AT MOUTH	17	-	-	-	-	-	-
CRAB	92	-	-	64	-	-	49
YARDS AT MOUTH	128	-	-	126	-	-	97
OYSTER, COMMON	306	-	-	16	6	-	59
YARDS AT MOUTH	309	-	-	20	6	-	67
TONGS:							
OYSTER	253	-	-	13	40	-	111
OTHER	242	-	-	19	-	-	77
RAKES:							
OYSTER	35	-	-	-	-	-	-
OTHER	406	-	-	12	-	-	67

ITEM	HENRICO	ISLE OF WIGHT	JAMES CITY	KING AND QUEEN	KING GEORGE	KING WILLIAM	LANCASTER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	-	20	-	-	-	-	360
ON BOATS AND SHORE:							
REGULAR	7	115	87	18	24	45	679
CASUAL	27	76	110	42	53	89	293
TOTAL	34	211	197	60	77	134	1,332
VESSELS, MOTOR	-	10	-	-	-	-	124
GROSS TONNAGE	-	69	-	-	-	-	2,294
BOATS:							
MOTOR	15	136	109	36	57	69	680
OTHER	3	2	16	3	10	6	51
ACCESSORY BOATS	-	-	-	-	-	-	19

(CONTINUED ON NEXT PAGE)

VIRGINIA - OPERATING UNITS BY COUNTIES, 1960 - Continued

ITEM	HENRICO	ISLE OF WIGHT	JAMES CITY	KING AND QUEEN	KING GEORGE	KING WILLIAM	LANCASTER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
GEAR:							
HAUL SEINES, COMMON . .	2	-	6	-	2	2	23
LENGTH, YARDS	700	-	6,000	-	800	410	4,000
PURSE SEINES, MENHADEN.	-	-	-	-	-	-	7
LENGTH, YARDS	-	-	-	-	-	-	2,645
POUND NETS:							
CRAB.	-	-	-	-	-	-	445
FISH.	-	3	10	-	12	-	83
HOOP AND FYKE NETS, FISH	11	34	58	16	11	25	-
POTS AND TRAPS:							
CRAB.	-	500	200	-	2,700	-	12,900
EEL	16	-	92	-	62	78	15
FISH.	256	-	402	29	-	66	-
TURTLE.	10	-	50	10	-	24	-
GILL NETS:							
ANCHOR.	-	-	-	-	-	-	16
SQUARE YARDS. . . .	-	-	-	-	-	-	4,400
DRIFT	11	-	22	23	22	73	31
SQUARE YARDS. . . .	7,400	-	24,600	21,000	16,100	64,000	8,600
STAKE	-	99	111	35	37	4	29
SQUARE YARDS. . . .	-	10,500	76,000	18,000	22,300	3,100	2,870
LINES:							
HAND.	-	-	88	-	16	70	-
HOOKS	-	-	88	-	16	70	-
LONG OR SET WITH HOOKS	6	-	4	-	-	3	-
HOOKS	800	-	500	-	-	500	-
TROT WITH BAITS . . .	-	4	-	-	-	-	40
BAITS	-	2,500	-	-	-	-	21,000
DIP NETS, COMMON. . . .	-	-	-	-	-	-	40
DREDGES, OYSTER, COMMON	-	11	-	-	-	-	59
YARDS AT MOUTH. . . .	-	11	-	-	-	-	63
TONGS:							
OYSTER.	-	123	39	-	18	-	860
OTHER	-	-	20	-	-	-	-
RAKES, OTHER.	-	-	18	-	-	-	-

ITEM	MATHEWS	MIDDLESEX	NANSEMOND	NEW KENT	NORFOLK	NORTH-AMPTON	NORTHUM-BERLAND	PRINCE GEORGE
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS.	86	106	30	-	360	222	403	-
ON BOATS AND SHORE:								
REGULAR	284	523	42	26	38	699	459	29
CASUAL.	170	101	29	34	37	357	247	49
TOTAL.	540	730	101	60	435	1,278	1,109	78
VESSELS, MOTOR.	28	52	10	-	78	68	58	-
GROSS TONNAGE	562	452	104	-	5,664	733	4,638	-
BOATS:								
MOTOR	257	426	42	36	32	498	423	32
OTHER	39	17	5	-	7	73	75	15
ACCESSORY BOATS	-	-	-	-	-	3	59	-
GEAR:								
HAUL SEINES, COMMON . .	7	13	-	-	5	23	10	9
LENGTH, YARDS	6,600	13,000	-	-	2,900	17,200	9,500	3,100
PURSE SEINES, MENHADEN.	-	-	-	-	-	-	20	-
LENGTH, YARDS	-	-	-	-	-	-	7,405	-
OTTER TRAWLS, FISH. . .	1	-	-	-	47	1	-	-
YARDS AT MOUTH. . . .	20	-	-	-	1,337	20	-	-
POUND NETS:								
CRAB.	258	200	-	-	-	185	623	-
FISH.	93	19	-	-	8	100	150	-
HOOP AND FYKE NETS, FISH	-	-	11	22	-	20	-	29
POTS AND TRAPS:								
CRAB.	21,475	8,000	1,600	800	1,800	4,822	30,900	-
EEL	-	-	-	42	-	17	-	55
FISH.	-	-	-	45	-	-	-	312
TURTLE.	-	-	-	-	-	-	-	55
GILL NETS:								
ANCHOR.	26	11	-	-	5	-	19	-
SQUARE YARDS. . . .	6,000	3,100	-	-	1,800	-	4,900	-
DRIFT	36	13	-	17	11	24	35	20
SQUARE YARDS. . . .	6,840	3,000	-	15,500	7,800	151,700	9,600	18,800
STAKE	22	12	51	39	6	4	38	3
SQUARE YARDS. . . .	2,620	3,000	43,000	18,000	460	600	6,000	1,000

(CONTINUED ON NEXT PAGE)

VIRGINIA - OPERATING UNITS BY COUNTIES, 1960 - Continued

ITEM	MATHEWS	MIDDLESEX	NANSEMOND	NEW KENT	NORFOLK	NORTH-AMPTON	NORTHUM-BERLAND	PRINCE GEORGE
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
GEAR - CONTINUED:								
LINES:								
HAND.	-	-	-	51	-	55	-	21
HOOKS	-	-	-	51	-	60	-	21
LONG OR SET WITH HOOKS	-	-	-	-	-	-	-	21
HOOKS	-	-	-	-	-	-	-	3,040
TROT WITH BAITS . . .	14	12	-	-	12	72	20	-
BAITS	7,900	7,000	-	-	8,000	43,000	13,100	-
DIP NETS, COMMON. . . .	13	17	-	-	-	12	49	-
SCRAPES	-	-	-	-	-	6	-	-
YARDS AT MOUTH. . . .	-	-	-	-	-	9	-	-
DREDGES:								
CLAM.	-	-	-	-	-	10	-	-
YARDS AT MOUTH. . .	-	-	-	-	-	10	-	-
CRAB.	36	4	-	-	-	52	-	-
YARDS AT MOUTH. . .	71	7	-	-	-	70	-	-
OYSTER, COMMON. . . .	30	38	15	-	29	70	55	-
YARDS AT MOUTH. . .	36	38	20	-	41	90	55	-
SCALLOP	-	-	-	-	38	-	-	-
YARDS AT MOUTH. . .	-	-	-	-	126	-	-	-
TONGS:								
OYSTER.	202	599	66	-	11	172	340	-
OTHER	32	-	-	-	6	378	-	-
RAKES:								
OYSTER.	-	-	-	-	-	16	-	-
OTHER	15	-	-	-	-	353	-	-

ITEM	PRINCESS ANNE	PRINCE WILLIAM	RICHMOND	STAFFORD	SURRY	NEWPORT NEWS, CITY 1/	WESTMORE-LAND	YORK
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS.	-	-	12	-	-	13	58	51
ON BOATS AND SHORE:								
REGULAR	75	18	66	40	10	134	215	180
CASUAL.	66	21	69	61	13	63	179	125
TOTAL.	141	39	147	101	23	210	452	356
VESSELS, MOTOR.	-	-	6	-	-	5	31	17
GROSS TONNAGE	-	-	49	-	-	60	290	179
BOATS:								
MOTOR	63	16	89	65	16	112	224	140
OTHER	22	3	4	10	3	11	40	24
GEAR:								
HAUL SEINES, COMMON . .	22	3	2	5	-	4	13	10
LENGTH, YARDS	10,300	2,100	900	3,700	-	3,600	12,000	9,600
POUND NETS:								
CRAB.	-	-	286	-	-	-	121	-
FISH.	14	-	9	8	-	19	97	18
HOOP AND FYKE NETS, FISH	-	52	9	28	20	15	23	22
POTS AND TRAPS:								
CRAB.	1,100	-	3,500	1,700	-	1,200	7,800	5,900
EEL	40	310	20	340	-	-	-	-
FISH.	-	635	-	400	100	-	55	-
TURTLE.	18	-	-	20	30	-	-	-
GILL NETS:								
ANCHOR.	-	-	-	-	-	17	-	20
SQUARE YARDS. . . .	-	-	-	-	-	5,600	-	8,600
DRIFT	-	6	-	-	-	20	48	31
SQUARE YARDS. . . .	-	7,000	-	-	-	7,000	20,000	9,100
STAKE	6	7	140	60	19	60	59	144
SQUARE YARDS. . . .	400	5,700	65,000	47,300	16,000	47,000	27,800	66,950
LINES:								
HAND.	-	-	-	100	-	-	-	-
HOOKS	-	-	-	100	-	-	-	-
LONG OR SET WITH HOOKS	-	-	-	-	1	-	-	-
HOOKS	-	-	-	-	150	-	-	-
TROT WITH BAITS . . .	10	-	7	-	-	3	14	-
BAITS	7,000	-	4,000	-	-	2,000	7,800	-
DIP NETS, COMMON. . . .	-	-	-	-	-	-	20	-
DREDGES:								
CRAB.	-	-	-	-	-	6	-	34
YARDS AT MOUTH. . .	-	-	-	-	-	12	-	68
OYSTER, COMMON. . . .	7	-	13	-	-	13	30	14
YARDS AT MOUTH. . .	7	-	13	-	-	13	30	14
TONGS:								
OYSTER.	18	-	33	-	-	70	159	26
OTHER	38	-	-	-	-	-	-	71
RAKES:								
OYSTER.	52	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	74

1/ FORMERLY WARWICK COUNTY.

VIRGINIA - CATCH BY COUNTIES, 1960

SPECIES	ACCOMACK		CHARLES CITY		CHESTERFIELD	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	800	$10	120,500	$1,770	66,900	$1,095
BLUEFISH	6,800	1,521	-	-	-	-
BONITO	200	10	-	-	-	-
BULLHEADS	-	-	80,500	4,873	63,900	4,040
BUTTERFISH	4,600	347	-	-	-	-
CARP	-	-	23,400	720	-	-
CATFISH	-	-	167,100	11,054	75,500	4,775
COD	5,400	499	-	-	-	-
CROAKER	21,800	1,679	-	-	-	-
EELS, COMMON	-	-	9,000	1,230	9,800	1,340
FLOUNDERS:						
FLUKE	505,900	74,919	-	-	-	-
UNCLASSIFIED	800	65	-	-	-	-
GIZZARD SHAD	-	-	22,100	347	10,900	218
HAKE:						
RED	100	2	-	-	-	-
WHITE	100	2	-	-	-	-
HERRING, SEA	500	16	-	-	-	-
HICKORY SHAD	-	-	2,200	110	700	35
KING WHITING OR "KINGFISH"	5,300	382	-	-	-	-
MACKEREL	348,400	56,153	-	-	-	-
MENHADEN	630,000	5,130	31,100	465	-	-
MULLET	1,600	81	2,600	208	-	-
SCUP OR PORGY	25,200	1,330	-	-	-	-
SEA BASS	222,100	33,600	-	-	-	-
SEA TROUT OR WEAKFISH:						
GRAY	5,900	1,003	-	-	-	-
SPOTTED	100	20	-	-	-	-
SHAD	4,700	492	34,600	5,993	10,600	2,088
SHARKS:						
GRAYFISH	729,200	16,401	-	-	-	-
UNCLASSIFIED	1,200	71	-	-	-	-
SPOT	106,200	14,614	-	-	-	-
STRIPED BASS	34,700	5,465	39,000	5,546	5,400	768
STURGEON	1,100	230	-	-	-	-
SUCKERS	-	-	200	12	1,000	60
SWELLFISH	350,300	10,662	-	-	-	-
WHITE PERCH	900	19	11,300	714	16,000	1,065
WHITING	15,900	442	-	-	-	-
UNCLASSIFIED:						
FOR FOOD	12,200	884	-	-	-	-
BAIT, REDUCTION, AND ANIMAL FOOD	1,918,200	17,789	-	-	-	-
CRABS, BLUE:						
HARD	10,829,800	567,523	-	-	-	-
SOFT AND PEELER	587,600	182,392	-	-	-	-
LOBSTERS, NORTHERN	2,000	672	-	-	-	-
CLAMS, HARD:						
PUBLIC	551,500	258,430	-	-	-	-
PRIVATE	172,300	80,212	-	-	-	-
CONCHS	83,400	7,104	-	-	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	183,900	127,997	-	-	-	-
FALL	278,900	194,090	-	-	-	-
PRIVATE:						
SPRING	237,800	162,976	-	-	-	-
FALL	475,400	325,952	-	-	-	-
SQUID	3,200	621	-	-	-	-
TERRAPIN	6,700	3,789	-	-	-	-
TURTLES, SNAPPER	-	-	27,400	3,887	18,800	2,616
TOTAL	18,372,700	2,155,596	571,000	36,929	279,500	18,100

SPECIES	ELIZABETH CITY		ESSEX		FAIRFAX	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	65,100	$1,300	66,500	$1,250	1,200	$18
BLUEFISH	21,500	3,340	-	-	-	-
BONITO	1,000	136	-	-	-	-
BULLHEADS	-	-	23,800	1,485	206,600	13,000
BUTTERFISH	267,700	19,680	-	-	-	-
CABIO	2,200	320	-	-	-	-
CARP	-	-	11,200	315	4,000	160
CATFISH	-	-	67,700	4,842	130,700	8,560
COD	1,200	72	-	-	-	-
CROAKER	268,700	50,300	200	38	-	-

(CONTINUED ON NEXT PAGE)

VIRGINIA - CATCH BY COUNTIES, 1960 - Continued

SPECIES	ELIZABETH CITY		ESSEX		FAIRFAX	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
DRUM:						
BLACK	6,800	$340	-	-	-	-
RED	1,000	81	-	-	-	-
EELS:						
COMMON	700	100	2,400	$233	7,300	$900
CONGER	200	2	-	-	-	-
FLOUNDERS:						
FLUKE	579,400	83,600	-	-	-	-
UNCLASSIFIED	34,200	4,300	-	-	-	-
GIZZARD SHAD	-	-	11,200	109	-	-
HAKE:						
RED	900	45	-	-	-	-
WHITE	11,100	875	-	-	-	-
HARVESTFISH	32,200	3,060	-	-	-	-
HERRING, SEA	100	1	-	-	-	-
HICKORY SHAD	1,700	85	200	9	-	-
KING MACKEREL	3,100	400	-	-	-	-
KING WHITING OR "KINGFISH"	9,700	885	-	-	-	-
MACKEREL	3,800	635	-	-	-	-
MENHADEN	483,100	7,300	27,400	405	-	-
MULLET	8,000	735	500	39	-	-
PIGFISH	2,000	110	-	-	-	-
POLLOCK	200	14	-	-	-	-
SAND PERCH	100	3	-	-	-	-
SCUP OR PORGY	5,156,700	322,348	-	-	-	-
SEA BASS	1,123,100	157,200	-	-	-	-
SEA ROBIN	300	6	-	-	-	-
SEA TROUT OR WEAKFISH:						
GRAY	158,200	22,710	-	-	-	-
SPOTTED	3,100	600	-	-	-	-
SHAD	54,300	10,700	14,100	2,370	4,800	690
SHARKS, UNCLASSIFIED	15,300	465	-	-	-	-
SPANISH MACKEREL	5,600	1,100	-	-	-	-
SPOT	161,700	14,720	2,100	168	-	-
STRIPED BASS	17,900	2,300	26,300	3,930	20,000	2,970
STURGEON	2,400	695	-	-	-	-
SUCKERS	-	-	800	40	-	-
SWELLFISH	34,400	1,010	-	-	-	-
TAUTOG	4,000	200	-	-	-	-
TUNA, LITTLE	2,200	60	-	-	-	-
WHITE PERCH	1,700	90	33,500	2,295	25,000	1,800
WHITING	133,500	4,000	-	-	-	-
YELLOW PERCH	-	-	-	-	800	90
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	833,000	6,300	-	-	-	-
CRABS, BLUE:						
HARD	2,948,200	174,370	81,600	3,700	-	-
SOFT AND PEELER	2,600	750	13,700	3,475	-	-
LOBSTERS, NORTHERN	13,000	5,000	-	-	-	-
CLAMS, HARD:						
PUBLIC	20,500	8,520	-	-	-	-
PRIVATE	17,200	7,150	-	-	-	-
CONCHS	15,400	1,890	-	-	-	-
OYSTERS, MARKET, PRIVATE:						
SPRING	238,200	169,800	71,000	50,000	-	-
FALL	92,000	65,900	110,500	78,800	-	-
SQUID	100,400	6,000	-	-	-	-
TURTLES, SNAPPER	-	-	6,000	875	-	-
TOTAL	12,960,600	1,161,603	570,700	154,378	400,400	28,188

SPECIES	GLOUCESTER		HENRICO		ISLE OF WIGHT	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	44,000	$650	88,500	$1,330	92,200	$1,450
BLUEFISH	6,200	840	-	-	-	-
BONITO	700	85	-	-	-	-
BULLHEADS	200	12	46,200	2,895	17,100	1,070
BUTTERFISH	28,800	2,480	-	-	-	-
CARP	2,200	65	-	-	7,600	228
CATFISH	4,300	288	34,200	2,284	17,800	1,175
CROAKER	372,800	73,660	-	-	8,200	1,575
DRUM:						
BLACK	7,200	294	-	-	-	-
RED	1,900	166	-	-	-	-
EELS, COMMON	5,800	549	9,100	1,172	2,900	360
FLOUNDERS, FLUKE	16,900	2,830	-	-	-	-

(CONTINUED ON NEXT PAGE)

VIRGINIA - CATCH BY COUNTIES, 1960 - Continued

SPECIES	GLOUCESTER		HENRICO		ISLE OF WIGHT	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
GIZZARD SHAD.	-	-	5,700	$106	2,500	$50
HARVESTFISH	21,800	$2,165	-	-	-	-
HICKORY SHAD.	2,100	105	200	10	2,100	105
KING MACKEREL	1,800	225	-	-	-	-
KING WHITING OR "KINGFISH".	2,700	248	-	-	-	-
MENHADEN.	1,118,300	17,180	-	-	46,000	680
MULLET.	3,800	310	-	-	1,400	110
PIGFISH	400	24	-	-	-	-
SEA TROUT OR WEAKFISH:						
GRAY.	59,600	7,590	-	-	900	102
SPOTTED	11,700	2,120	-	-	-	-
SHAD.	92,700	15,435	7,800	1,418	18,800	3,270
SHARKS, UNCLASSIFIED. . . .	2,300	69	-	-	-	-
SPANISH MACKEREL.	1,200	190	-	-	-	-
SPOT.	365,700	33,380	-	-	86,100	7,920
STRIPED BASS.	46,800	5,960	300	35	185,300	26,400
STURGEON.	6,600	1,980	-	-	-	-
SUCKERS	300	18	600	36	-	-
SWELLFISH	10,900	327	-	-	4,100	123
TAUTOG.	1,500	75	-	-	-	-
TUNA, LITTLE.	3,300	90	-	-	-	-
WHITE PERCH	19,400	1,353	28,300	2,050	15,800	1,000
CRABS, BLUE:						
HARD.	3,434,900	154,750	-	-	53,900	2,600
SOFT AND PEELER	36,800	9,560	-	-	300	105
CLAMS, HARD:						
PUBLIC.	122,600	52,740	-	-	-	-
PRIVATE	56,100	24,348	-	-	-	-
CONCHS.	5,100	430	-	-	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING.	48,300	34,480	-	-	56,400	40,400
FALL.	31,400	22,400	-	-	94,300	67,400
PRIVATE:						
SPRING.	1,042,800	745,160	-	-	333,500	239,000
FALL.	836,500	590,390	-	-	306,200	218,600
TERRAPIN.	-	-	-	-	1,600	600
TURTLES, SNAPPER.	-	-	6,000	880	-	-
TOTAL	7,878,400	1,805,021	226,900	12,216	1,355,000	614,323

SPECIES	JAMES CITY		KING AND QUEEN		KING GEORGE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	261,400	$4,040	86,400	$1,250	29,800	$447
BULLHEADS	200,300	12,940	29,800	1,820	50,900	3,100
BUTTERFISH.	1,000	80	-	-	-	-
CARP.	73,400	2,692	800	30	6,800	136
CATFISH	101,800	7,105	27,200	1,700	91,000	5,884
CROAKER	120,200	22,860	-	-	-	-
DRUM, BLACK	1,600	75	-	-	-	-
EELS, COMMON.	15,800	1,905	2,400	280	8,900	1,030
FLOUNDERS, FLUKE.	5,600	940	-	-	-	-
GIZZARD SHAD.	10,400	208	-	-	52,700	527
HARVESTFISH	1,900	190	-	-	-	-
HICKORY SHAD.	2,700	135	-	-	-	-
KING WHITING OR "KINGFISH".	300	25	-	-	-	-
MENHADEN.	256,000	3,800	-	-	61,100	866
MULLET.	6,000	472	-	-	400	30
SEA TROUT OR WEAKFISH:						
GRAY.	5,600	630	-	-	-	-
SPOTTED	500	90	-	-	-	-
SHAD.	60,100	10,270	13,100	3,320	26,800	4,470
SPOT.	152,700	13,870	-	-	-	-
STRIPED BASS.	277,400	30,985	6,100	862	93,600	13,375
STURGEON.	1,200	350	-	-	-	-
SUCKERS	-	-	-	-	300	18
SWELLFISH	4,300	129	-	-	-	-
WHITE PERCH	20,000	1,360	7,300	490	52,800	3,190
CRABS, BLUE:						
HARD.	46,100	2,150	-	-	190,200	10,000
SOFT AND PEELER	1,200	395	-	-	12,200	3,100
CLAMS, HARD:						
PUBLIC.	9,100	3,580	-	-	-	-
PRIVATE	3,400	1,260	-	-	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING.	4,000	2,700	-	-	3,900	2,700
FALL.	5,000	3,340	-	-	7,200	5,000
PRIVATE:						
SPRING.	12,200	8,120	-	-	-	-
FALL.	15,100	10,000	-	-	-	-
TERRAPIN.	2,400	950	-	-	-	-
TURTLES, SNAPPER.	38,000	5,350	2,100	300	1,300	182
TOTAL	1,716,700	152,996	175,200	10,052	689,900	54,055

(CONTINUED ON NEXT PAGE)

VIRGINIA - CATCH BY COUNTIES, 1960 - Continued

SPECIES	KING WILLIAM		LANCASTER		MATHEWS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	22,900	$342	4,310,400	$64,701	1,600,800	$24,000
BLUEFISH	-	-	5,900	830	23,300	3,000
BONITO	-	-	2,700	359	1,400	190
BULLHEADS	43,200	2,755	-	-	-	-
BUTTERFISH	-	-	24,100	2,116	101,400	8,630
CABIO	-	-	-	-	1,500	225
CARP	5,700	172	1,400	28	-	-
CATFISH	64,900	4,640	-	-	-	-
CROAKER	1,500	300	475,000	95,270	292,100	55,100
DRUM:						
BLACK	-	-	12,100	490	10,900	341
RED	-	-	1,700	140	800	64
EELS, COMMON	3,500	290	4,700	525	1,700	160
FLOUNDERS:						
FLUKE	-	-	36,500	6,150	265,000	44,300
UNCLASSIFIED	-	-	1,300	188	8,000	1,040
GIZZARD SHAD	9,800	98	-	-	-	-
HAKE, WHITE	-	-	-	-	1,800	144
HARVESTFISH	-	-	22,200	2,205	30,600	3,000
HERRING, THREAD	-	-	141,000	1,500	-	-
HICKORY SHAD	1,600	80	1,700	85	2,200	110
KING WHITING OR "KINGFISH"	-	-	2,200	183	6,000	492
MACKEREL	-	-	700	120	1,800	300
MENHADEN	26,600	400	66,538,000	610,400	1,833,000	27,500
MULLET	2,000	150	1,400	108	2,100	170
PIGFISH	-	-	300	24	900	72
POMPANO	-	-	-	-	600	60
SCUP OR PORGY	-	-	-	-	383,000	24,000
SEA BASS	-	-	200	20	102,800	14,675
SEA TROUT OR WEAKFISH:						
GRAY	-	-	28,200	3,420	168,500	17,860
SPOTTED	-	-	4,800	900	3,900	780
SHAD	155,400	25,940	103,000	17,300	72,700	12,100
SHARKS, UNCLASSIFIED	-	-	2,700	81	8,800	262
SPANISH MACKEREL	-	-	800	120	2,300	350
SPOT	2,900	260	409,400	36,320	232,800	21,110
STRIPED BASS	29,700	4,280	41,400	5,900	21,300	3,030
STURGEON	-	-	100	30	1,000	300
SUCKERS	500	30	-	-	-	-
SWELLFISH	-	-	27,100	810	16,500	495
TAUTOG	-	-	1,600	85	2,800	140
WHITE PERCH	18,400	1,230	17,400	890	4,800	242
WHITING	-	-	-	-	5,600	200
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	162,900	1,629
CRABS, BLUE:						
HARD	-	-	2,850,700	128,545	2,346,200	135,442
SOFT AND PEELER	-	-	139,100	35,740	99,900	29,200
CLAMS, HARD:						
PUBLIC	-	-	-	-	3,900	1,730
PRIVATE	-	-	-	-	15,800	6,895
CONCHS	-	-	-	-	400	35
OYSTERS, MARKET:						
PUBLIC:						
SPRING	-	-	542,000	387,200	800	570
FALL	-	-	1,025,700	732,600	900	643
PRIVATE:						
SPRING	-	-	484,000	346,090	333,600	238,000
FALL	-	-	385,300	275,100	478,200	341,900
TURTLES, SNAPPER	30,900	4,550	-	-	-	-
TOTAL	419,500	45,517	77,646,800	2,756,573	8,655,300	1,020,486

SPECIES	MIDDLESEX		NANSEMOND		NEW KENT	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	363,700	$5,455	31,000	$465	67,100	$1,050
BLUEFISH	900	102	-	-	-	-
BONITO	200	28	-	-	-	-
BULLHEADS	-	-	14,200	900	32,700	2,040
BUTTERFISH	9,600	875	-	-	-	-
CARP	-	-	4,300	160	2,900	87
CATFISH	-	-	7,600	510	74,300	5,356
CROAKER	271,900	54,195	2,100	340	-	-
DRUM:						
BLACK	8,200	246	-	-	-	-
RED	600	48	-	-	-	-

(CONTINUED ON NEXT PAGE)

VIRGINIA - CATCH BY COUNTIES, 1960 - Continued

SPECIES	MIDDLESEX		NANSEMOND		NEW KENT	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
EELS, COMMON	1,100	$116	1,100	$100	3,500	$432
FLOUNDERS:						
FLUKE	23,300	3,900	-	-	-	-
UNCLASSIFIED	6,800	845	-	-	-	-
GIZZARD SHAD	-	-	-	-	5,100	51
HARVESTFISH	4,800	480	-	-	-	-
HICKORY SHAD	200	10	700	35	-	-
KING WHITING OR "KINGFISH"	100	8	-	-	-	-
MENHADEN	321,300	4,815	15,300	230	26,100	390
MULLET	500	40	1,100	88	-	-
SEA TROUT OR WEAKFISH:						
GRAY	19,900	2,468	-	-	-	-
SPOTTED	6,000	1,200	-	-	-	-
SHAD	4,500	750	12,100	2,000	45,100	7,550
SHARKS, UNCLASSIFIED	5,100	153	-	-	-	-
SPOT	188,500	17,110	17,000	1,360	-	-
STRIPED BASS	38,200	5,460	36,900	4,170	27,700	3,960
SWELLFISH	12,600	378	-	-	-	-
TAUTOG	400	20	-	-	-	-
WHITE PERCH	1,800	108	9,200	550	-	-
CRABS, BLUE:						
HARD	1,405,500	64,716	61,000	2,800	16,000	800
SOFT AND PEELER	38,800	9,920	900	270	400	120
OYSTERS, MARKET:						
PUBLIC:						
SPRING	193,400	138,000	125,100	87,000	-	-
FALL	282,700	201,900	148,500	105,000	-	-
PRIVATE:						
SPRING	296,500	211,600	93,800	67,050	-	-
FALL	152,000	108,500	83,900	60,350	-	-
TERRAPIN	-	-	800	325	-	-
TURTLES, SNAPPER	-	-	-	-	29,900	4,270
TOTAL	3,659,100	833,446	666,600	333,703	330,800	26,106

SPECIES	NORFOLK		NORTHAMPTON		NORTHUMBERLAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	90,400	$1,724	20,000	$231	4,587,300	$68,795
BLUEFISH	35,900	5,425	6,400	1,100	8,600	1,023
BONITO	1,600	213	800	75	1,100	150
BUTTERFISH	524,400	47,400	2,800	214	19,500	1,820
CABIO	600	85	11,300	1,989	-	-
CARP	-	-	-	-	2,000	53
COD	2,600	200	-	-	-	-
CROAKER	264,800	46,900	922,300	71,730	207,700	35,100
DRUM:						
BLACK	11,000	577	71,100	5,726	12,400	742
RED	3,200	268	-	-	7,000	564
EELS:						
COMMON	1,600	160	18,500	3,015	7,400	850
CONGER	200	3	-	-	-	-
FLOUNDERS:						
FLUKE	1,131,600	177,400	63,300	9,853	26,100	4,250
UNCLASSIFIED	51,100	6,400	-	-	9,800	1,225
HAKE:						
RED	1,700	100	-	-	-	-
WHITE	15,800	1,200	-	-	-	-
HARVESTFISH	66,500	5,450	-	-	25,100	2,350
HERRING:						
SEA	100	1	5,700	114	-	-
THREAD	-	-	-	-	210,000	1,743
HICKORY SHAD	1,300	65	-	-	2,300	115
KING WHITING OR "KINGFISH"	16,900	1,528	3,500	266	1,100	91
MACKEREL	1,600	270	124,900	14,092	1,300	208
MENHADEN	542,100	8,045	498,900	3,842	168,078,400	1,447,909
MULLET	6,300	502	1,000	120	700	56
PIGFISH	-	-	1,700	80	200	16
POLLOCK	200	14	-	-	-	-
SAND PERCH	200	6	-	-	-	-
SCUP OR PORGY	7,839,700	412,600	-	-	-	-
SEA BASS	2,211,900	316,110	5,800	673	-	-
SEA ROBIN	200	4	-	-	-	-
SEA TROUT OR WEAKFISH:						
GRAY	234,200	26,450	11,600	1,466	21,100	2,410
SPOTTED	5,500	1,100	1,100	280	3,600	715
SHAD	38,400	7,700	13,600	1,915	168,000	28,300

(CONTINUED ON NEXT PAGE)

VIRGINIA - CATCH BY COUNTIES, 1960 - Continued

SPECIES	NORFOLK		NORTHAMPTON		NORTHUMBERLAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SHARKS, UNCLASSIFIED. . . .	18,300	$549	-	-	3,000	$90
SPADEFISH	-	-	200	$10	-	-
SPANISH MACKEREL.	4,500	750	-	-	-	-
SPOT.	330,500	29,996	76,700	9,967	373,700	34,054
STRIPED BASS.	12,300	1,700	85,200	12,728	291,800	41,400
STURGEON.	2,200	640	-	-	700	200
SUNFISH	-	-	500	40	-	-
SWELLFISH	11,700	351	369,600	8,522	46,600	1,371
TAUTOG.	1,900	95	700	50	700	35
TILEFISH.	11,400	765	-	-	-	-
TUNA, LITTLE.	1,200	35	-	-	-	-
WHITE PERCH	2,400	114	-	-	16,500	980
WHITING	280,200	9,400	4,700	140	-	-
UNCLASSIFIED:						
FOR FOOD.	-	-	28,400	2,542	-	-
BAIT, REDUCTION, AND ANIMAL FOOD.	300,000	3,000	923,000	9,500	106,000	1,600
CRABS, BLUE:						
HARD.	797,300	36,300	3,977,900	218,274	4,194,200	190,870
SOFT AND PEELER	14,300	4,230	102,700	30,611	333,400	84,485
LOBSTERS, NORTHERN.	16,100	6,160	-	-	-	-
CLAMS:						
HARD:						
PUBLIC.	27,900	12,100	228,500	106,938	-	-
PRIVATE	3,100	1,340	125,700	58,683	-	-
SOFT, PUBLIC.	-	-	-	-	900	220
CONCHS.	1,900	153	20,000	1,700	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING.	-	-	18,400	12,556	193,300	137,920
FALL.	-	-	36,600	25,054	251,400	178,980
PRIVATE:						
SPRING.	525,000	375,100	410,900	282,423	458,500	327,500
FALL.	668,500	477,700	821,900	564,845	307,700	220,120
SCALLOPS, SEA	781,100	289,986	-	-	-	-
SQUID	180,400	15,000	-	-	-	-
TURTLES, LOGGERHEAD	1,000	10	-	-	-	-
TOTAL.	17,094,800.	2,333,374	9,015,900	1,461,364	179,979,100	2,818,310

SPECIES	PRINCE GEORGE		PRINCESS ANNE		PRINCE WILLIAM	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	74,700	$1,119	71,300	$1,400	8,000	$160
BLUEFISH.	-	-	4,500	590	-	-
BONITO.	-	-	3,000	400	-	-
BOWFIN.	-	-	2,800	56	-	-
BULLHEADS	156,100	9,424	600	35	177,700	11,100
BUTTERFISH.	-	-	72,000	5,762	-	-
CABIO	-	-	3,100	515	-	-
CARP.	36,000	1,430	48,000	2,400	6,700	201
CATFISH	123,900	8,805	12,000	860	176,500	12,590
CROAKER	-	-	133,900	23,400	-	-
DRUM:						
BLACK	-	-	9,800	406	-	-
RED	-	-	6,900	565	-	-
EELS, COMMON.	5,300	440	9,300	1,116	12,000	1,500
FLOUNDERS:						
FLUKE	-	-	26,000	4,370	-	-
UNCLASSIFIED.	-	-	5,000	602	-	-
GIZZARD SHAD.	11,400	114	1,400	28	-	-
HARVESTFISH	-	-	16,000	1,460	-	-
HICKORY SHAD.	400	20	1,400	70	-	-
KING WHITING OR "KINGFISH".	-	-	6,400	512	-	-
MENHADEN.	16,000	240	363,000	5,450	-	-
MULLET.	-	-	20,100	1,608	-	-
SCUP OR PORGY	-	-	1,800	90	-	-
SEA BASS.	-	-	2,300	230	-	-
SEA TROUT OR WEAKFISH:						
GRAY.	-	-	47,300	7,000	-	-
SPOTTED	-	-	8,100	1,600	-	-
SHAD.	13,800	2,470	87,100	17,500	1,000	150
SHARKS, UNCLASSIFIED. . . .	-	-	2,800	84	-	-
SPANISH MACKEREL.	-	-	2,400	400	-	-
SPOT.	-	-	353,800	32,150	-	-
STRIPED BASS.	5,800	710	16,500	2,400	91,600	13,108
STURGEON.	-	-	1,200	360	-	-

(CONTINUED ON NEXT PAGE)

VIRGINIA - CATCH BY COUNTIES, 1960 - Continued

SPECIES	PRINCE GEORGE		PRINCESS ANNE		PRINCE WILLIAM	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SUCKERS	1,900	$95	-	-	100	$6
SWELLFISH	-	-	17,500	$525	-	-
TAUTOG.	-	-	2,700	135	-	-
TUNA, LITTLE.	-	-	3,400	100	-	-
WHITE PERCH	30,400	1,975	19,400	1,160	800	48
YELLOW PERCH.	-	-	-	-	100	10
CRABS, BLUE:						
HARD.	-	-	760,200	34,530	-	-
SOFT AND PEELER	-	-	11,100	3,300	-	-
CLAMS, HARD:						
PUBLIC.	-	-	43,600	18,920	-	-
PRIVATE	-	-	53,200	23,100	-	-
OYSTERS, MARKET, PRIVATE:						
SPRING.	-	-	101,000	72,140	-	-
FALL.	-	-	69,500	49,640	-	-
TURTLES:						
LOGGERHEAD.	-	-	400	4	-	-
SNAPPER	36,000	5,100	700	100	500	70
TOTAL.	511,700	31,942	2,422,500	317,073	475,000	38,943

SPECIES	RICHMOND		STAFFORD		SURRY	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	31,100	$464	157,700	$2,404	113,600	$1,700
BULLHEADS	46,500	2,920	82,600	5,230	61,700	3,694
CARP.	9,500	313	16,200	599	-	-
CATFISH	73,600	5,270	92,600	6,120	54,600	3,900
CROAKER	2,400	400	-	-	-	-
EELS, COMMON.	3,100	351	18,800	1,880	1,500	150
GIZZARD SHAD.	9,800	90	33,700	337	16,200	160
HICKORY SHAD.	600	30	300	15	700	35
MENHADEN.	24,500	367	81,500	1,215	41,000	615
MULLET.	900	62	-	-	2,600	208
SHAD.	27,400	5,400	12,500	2,082	28,200	4,730
SPOT.	4,300	400	-	-	-	-
STRIPED BASS.	87,200	12,400	310,700	44,330	38,400	4,790
SUCKERS	500	30	1,800	108	400	20
WHITE PERCH	30,100	1,806	48,900	3,430	7,000	400
YELLOW PERCH.	-	-	7,200	720	-	-
CRABS, BLUE:						
HARD.	726,100	33,070	156,000	7,000	-	-
SOFT AND PEELER	80,800	20,250	12,300	3,100	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING.	2,100	1,500	-	-	-	-
FALL.	12,000	8,570	-	-	-	-
PRIVATE:						
SPRING.	276,100	197,200	-	-	-	-
FALL.	236,600	168,980	-	-	-	-
TURTLES, SNAPPER.	300	40	6,600	675	23,000	3,300
TOTAL.	1,685,500	459,913	1,039,400	79,245	388,900	23,702

SPECIES	NEWPORT NEWS, CITY 1/		WESTMORELAND		YORK	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	63,500	$1,268	2,713,800	$40,730	213,400	$3,195
BLUEFISH.	1,400	200	3,400	512	5,100	660
BONITO.	-	-	-	-	1,300	180
BULLHEADS	25,600	1,610	67,200	4,068	29,100	1,820
BUTTERFISH.	13,000	1,170	800	64	18,200	1,456
CABIO	-	-	-	-	400	48
CARP.	53,300	2,132	14,700	334	1,500	50
CATFISH	20,300	2,920	91,600	6,602	26,300	1,880
CROAKER	217,700	43,460	131,600	23,000	217,800	43,200
DRUM:						
BLACK	-	-	8,300	249	13,000	650
RED	-	-	4,400	352	1,900	160
EELS, COMMON.	4,600	460	18,300	1,830	2,200	190
FLOUNDERS:						
FLUKE	8,700	1,230	22,400	3,220	19,500	3,300
UNCLASSIFIED.	-	-	3,800	530	3,500	480
GIZZARD SHAD.	6,500	130	18,400	180	-	-
HARVESTFISH	2,500	250	7,000	700	16,700	1,670

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

VIRGINIA - CATCH BY COUNTIES, 1960 - Continued

SPECIES	NEWPORT NEWS, CITY 1/		WESTMORELAND		YORK	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HICKORY SHAD	1,100	$55	800	$40	1,400	$70
KING WHITING OR "KINGFISH"	400	36	-	-	2,300	190
MENHADEN	371,600	5,350	3,629,000	54,400	942,000	14,035
MULLET	20,700	1,660	300	24	3,700	290
PIGFISH	-	-	-	-	400	30
SCUP OR PORGY	-	-	-	-	300	18
SEA BASS	-	-	-	-	600	70
SEA TROUT OR WEAKFISH:						
GRAY	8,500	1,270	5,600	648	34,700	4,320
SPOTTED	200	36	-	-	6,300	1,260
SHAD	23,000	4,200	49,200	8,220	151,300	25,350
SHARKS, UNCLASSIFIED	-	-	-	-	2,000	60
SPANISH MACKEREL	-	-	-	-	3,100	500
SPOT	262,500	24,300	552,200	50,000	227,600	20,710
STRIPED BASS	72,600	11,100	236,400	33,760	81,900	11,730
STURGEON	800	240	-	-	200	60
SUCKERS	-	-	1,400	84	-	-
SWELLFISH	2,200	66	14,100	423	13,600	408
TAUTOG	-	-	-	-	1,100	55
WHITE PERCH	16,200	1,170	99,800	6,139	14,900	1,016
YELLOW PERCH	-	-	100	9	-	-
CRABS, BLUE:						
HARD	202,700	10,000	1,288,800	58,586	2,902,700	158,000
SOFT AND PEELER	2,300	690	38,400	9,815	61,400	18,300
CLAMS, HARD:						
PUBLIC	-	-	-	-	116,300	50,720
PRIVATE	-	-	-	-	90,600	39,466
CONCHS	-	-	-	-	4,200	336
OYSTERS, MARKET:						
PUBLIC:						
SPRING	102,200	74,000	84,100	60,080	-	-
FALL	140,000	101,000	122,400	87,460	1,200	860
PRIVATE:						
SPRING	180,200	129,000	283,100	202,000	288,700	206,500
FALL	142,400	101,000	200,200	143,030	295,500	211,080
TURTLES:						
LOGGERHEAD	-	-	-	-	200	2
SNAPPER	-	-	200	26	-	-
TOTAL	1,966,700	520,003	9,711,800	797,115	5,818,100	824,375

1/ FORMERLY WARWICK COUNTY.

CHESAPEAKE STATES - CATCH BY WATERS, 1960

SPECIES	MARYLAND				VIRGINIA	
	OCEAN 1/		CHESAPEAKE BAY		OCEAN 1/	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	3,524,500	$52,867	20,300	$235
BLUEFISH	5,400	$569	5,000	907	46,100	7,751
BONITO	100	19	-	-	200	10
BOWFIN	-	-	-	-	2,800	56
BULLHEADS	-	-	200	14	600	35
BUTTERFISH	38,700	1,497	3,500	108	728,500	61,559
CARP	-	-	594,500	22,586	48,000	2,400
CATFISH	-	-	566,000	38,655	12,000	860
COD	545,800	41,321	-	-	9,200	771
CRAPPIE	-	-	1,400	140	-	-
CROAKER	200	47	585,800	156,390	350,800	47,847
DRUM:						
BLACK	2,400	102	2,000	102	22,700	1,693
RED	-	-	200	2	4,700	395
EELS:						
COMMON	700	18	194,500	13,087	8,000	960
CONGER	-	-	-	-	400	5
FLOUNDERS:						
GRAY SOLE	300	14	-	-	-	-
BLACKBACK	2,700	135	-	-	-	-
FLUKE	1,027,600	163,893	-	-	2,417,900	369,229
UNCLASSIFIED	3,000	78	13,700	1,370	82,300	10,265
GIZZARD SHAD	-	-	22,700	454	1,400	28
HAKE:						
RED	18,700	305	400	6	2,700	147
WHITE	300	8	-	-	28,800	2,221
HARVESTFISH	-	-	-	-	33,600	3,060
HERRING:						
SEA	4,100	73	-	-	6,400	132
THREAD	-	-	-	-	351,000	3,243
HICKORY SHAD	-	-	1,900	37	-	-
HOGCHOKER	-	-	16,600	333	-	-
KING WHITING OR "KINGFISH"	16,200	897	-	-	33,200	2,882
MACKEREL	41,300	5,022	500	105	475,700	70,650
MENHADEN	-	-	2,903,900	49,366	43,010,000	363,180
MULLET	2,600	177	-	-	8,900	705
PIGFISH	-	-	-	-	200	10
PIKE OR PICKEREL	-	-	2,900	578	-	-
POLLOCK	-	-	-	-	400	28
SAND PERCH	-	-	-	-	300	9
SCUP OR PORGY	104,400	4,801	-	-	13,400,500	760,030
SEA BASS	128,000	17,437	-	-	3,655,900	521,200
SEA ROBIN	-	-	-	-	500	10
SEA TROUT OR WEAKFISH:						
GRAY	266,000	12,733	5,000	382	231,800	28,203
SPOTTED	-	-	-	-	100	20
SHAD	200	15	1,332,900	206,465	4,900	517
SHARKS:						
GRAYFISH	41,100	1,449	-	-	729,200	16,401
UNCLASSIFIED	61,800	1,943	-	-	35,800	1,111
SKATES	300	9	-	-	-	-
SPOT	34,800	4,859	463,600	35,696	154,100	17,170
STRIPED BASS	900	212	4,407,800	674,637	14,200	2,350
STURGEON	10,700	2,521	200	50	5,000	1,360
SUCKERS	-	-	2,500	75	-	-
SUNFISH	-	-	2,400	121	-	-
SWELLFISH	16,600	417	373,300	11,200	116,600	3,149
TAUTOG	1,800	40	-	-	400	20
TILEFISH	-	-	-	-	11,400	765
TUNA:						
BLUEFIN	300	27	-	-	-	-
LITTLE	-	-	200	11	-	-
WHITE PERCH	-	-	876,000	84,983	19,300	1,073
WHITING	110,900	2,405	-	-	439,900	14,182
YELLOW PERCH	-	-	63,300	8,809	-	-
UNCLASSIFIED:						
FOR FOOD	700	47	44,700	3,841	13,800	1,069
BAIT, REDUCTION, AND ANIMAL FOOD	2,677,500	12,151	7,500	82	2,506,100	20,533
CRABS, BLUE:						
HARD	511,300	28,632	26,556,700	1,512,310	3,878,100	237,449
SOFT AND PEELER	1,400	277	2,786,500	611,363	213,800	75,952
LOBSTERS, NORTHERN	1,400	691	-	-	31,100	11,832
CLAMS:						
HARD:						
PUBLIC	162,700	70,495	-	-	765,600	358,568
PRIVATE	9,000	3,920	-	-	298,000	138,895
SOFT, PUBLIC	-	-	5,568,800	1,593,802	-	-
SURF	419,500	33,742	-	-	-	-

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CHESAPEAKE STATES - CATCH BY WATERS, 1960 - Continued

SPECIES	MARYLAND				VIRGINIA	
	OCEAN 1/		CHESAPEAKE BAY		OCEAN 1/	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CONCHS	49,300	$4,897	-	-	104,100	$8,859
OYSTERS, MARKET:						
PUBLIC:						
SPRING	-	-	4,893,600	$3,360,616	24,500	16,739
FALL	-	-	5,209,600	3,784,238	48,800	33,422
PRIVATE:						
SPRING	184,700	205,316	607,100	381,547	585,200	401,180
FALL	186,300	213,210	688,400	481,297	1,170,300	802,359
SCALLOPS, SEA	200	63	-	-	781,100	289,986
SQUID	17,900	1,019	-	-	284,000	21,621
TERRAPIN	-	-	3,800	1,730	6,700	3,789
TURTLES, SNAPPER	-	-	68,700	8,193	700	100
TOTAL	6,709,800	837,503	62,402,800	13,098,555	77,238,600	4,740,280

SPECIES	VIRGINIA - CONTINUED		TOTAL			
	CHESAPEAKE BAY		OCEAN 1/		CHESAPEAKE BAY	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	15,443,700	$233,578	20,300	$235	18,968,200	$286,445
BLUEFISH	83,800	11,392	51,500	8,320	88,800	12,299
BONITO	13,800	1,816	300	29	13,800	1,816
BOWFIN	-	-	2,800	56	-	-
BULLHEADS	1,455,900	90,796	600	35	1,456,100	90,810
BUTTERFISH	359,400	30,535	767,200	63,056	362,900	30,643
CABIO	19,100	3,182	-	-	19,100	3,182
CARP	283,600	9,905	48,000	2,400	878,100	32,491
CATFISH	1,523,500	106,260	12,000	860	2,089,500	144,915
COD	-	-	555,000	42,092	-	-
CRAPPIE	-	-	-	-	1,400	140
CROAKER	3,581,900	594,660	351,000	47,894	4,167,700	751,050
DRUM:						
BLACK	149,700	8,443	25,100	1,795	151,700	8,545
RED	24,700	2,013	4,700	395	24,900	2,015
EELS:						
COMMON	184,300	21,704	8,700	978	378,800	34,791
CONGER	-	-	400	5	-	-
FLOUNDERS:						
GRAY SOLE	-	-	300	14	-	-
BLACKBACK	-	-	2,700	135	-	-
FLUKE	312,300	51,033	3,445,500	533,122	312,300	51,033
UNCLASSIFIED	42,000	5,410	85,300	10,343	55,700	6,780
GIZZARD SHAD	226,400	2,725	1,400	28	249,100	3,179
HAKE:						
RED	-	-	21,400	452	400	6
WHITE	-	-	29,100	2,229	-	-
HARVESTFISH	213,700	19,920	33,600	3,060	213,700	19,920
HERRING:						
SEA	-	-	10,500	205	-	-
THREAD	-	-	351,000	3,243	-	-
HICKORY SHAD	28,600	1,429	-	-	30,500	1,466
HOGCHOKER	-	-	-	-	16,600	333
KING MACKEREL	4,900	625	-	-	4,900	625
KING WHITING OR "KINGFISH"	23,700	1,964	49,400	3,779	23,700	1,964
MACKEREL	6,800	1,128	517,000	75,672	7,300	1,233
MENHADEN	202,991,300	1,857,849	43,010,000	363,180	205,895,200	1,907,215
MULLET	78,800	6,366	11,500	882	78,800	6,366
PIGFISH	5,700	346	200	10	5,700	346
PIKE OR PICKEREL	-	-	-	-	2,900	578
POLLOCK	-	-	400	28	-	-
POMPANO	600	60	-	-	600	60
SAND PERCH	-	-	300	9	-	-
SCUP OR PORGY	6,200	356	13,504,900	764,831	6,200	356
SEA BASS	12,900	1,378	3,783,900	538,637	12,900	1,378
SEA ROBIN	-	-	500	10	-	-
SEA TROUT OR WEAKFISH:						
GRAY	578,000	71,144	497,800	40,936	583,000	71,526
SPOTTED	54,800	10,681	100	20	54,800	10,681
SHAD	1,343,800	233,656	5,100	532	2,676,700	440,121
SHARKS:						
GRAYFISH	-	-	770,300	17,850	-	-
UNCLASSIFIED	25,700	773	97,600	3,054	25,700	773

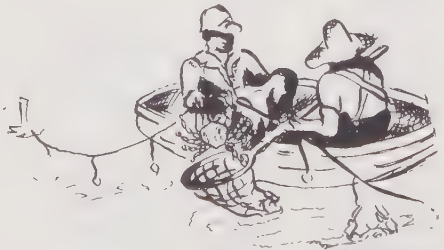
SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CHESAPEAKE STATES - CATCH BY WATERS, 1960 - Continued

SPECIES	VIRGINIA - CONTINUED		TOTAL			
	CHESAPEAKE BAY		OCEAN 1/		CHESAPEAKE BAY	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SKATES	-	-	300	$9	-	-
SPADEFISH	200	$10	-	-	200	$10
SPANISH MACKEREL	19,900	3,410	-	-	19,900	3,410
SPOT	3,752,300	345,239	188,900	22,029	4,215,900	380,935
STRIPED BASS	2,264,200	313,202	15,100	2,562	6,672,000	987,839
STURGEON	12,500	3,725	15,700	3,881	12,700	3,775
SUCKERS	9,800	557	-	-	12,300	632
SUNFISH	500	40	-	-	2,900	161
SWELLFISH	818,900	22,451	133,200	3,566	1,192,200	33,651
TAUTOG	17,000	870	2,200	60	17,000	870
TILEFISH	-	-	11,400	765	-	-
TUNA:						
BLUEFIN	-	-	300	27	-	-
LITTLE	10,100	285	-	-	10,300	296
WHITE PERCH	550,700	35,611	19,300	1,073	1,426,700	120,594
WHITING	-	-	550,800	16,587	-	-
YELLOW PERCH	8,200	829	-	-	71,500	9,638
UNCLASSIFIED:						
FOR FOOD	26,800	2,357	14,500	1,116	71,500	6,198
BAIT, REDUCTION, AND ANIMAL FOOD	1,737,000	19,285	5,183,600	32,684	1,744,500	19,367
CRABS, BLUE:						
HARD	35,391,900	1,756,577	4,389,400	266,081	61,948,600	3,268,887
SOFT AND PEELER	1,376,400	373,856	215,200	76,229	4,162,900	985,219
LOBSTERS, NORTHERN	-	-	32,500	12,523	-	-
CLAMS:						
HARD:						
PUBLIC	358,300	155,110	928,300	429,063	358,300	155,110
PRIVATE	239,400	103,559	307,000	142,815	239,400	103,559
SOFT, PUBLIC	900	220	-	-	5,569,700	1,594,022
SURF	-	-	419,500	33,742	-	-
CONCHS	26,300	2,789	153,400	13,756	26,300	2,789
OYSTERS, MARKET:						
PUBLIC:						
SPRING	1,533,400	1,090,364	24,500	16,739	6,427,000	4,450,980
FALL	2,389,400	1,700,875	48,800	33,422	7,599,000	5,485,113
PRIVATE:						
SPRING	5,081,700	3,628,479	769,900	606,496	5,688,800	4,010,026
FALL	4,507,100	3,209,528	1,356,600	1,015,569	5,195,500	3,690,825
SCALLOPS, SEA	-	-	781,300	290,049	-	-
SQUID	-	-	301,900	22,640	-	-
TERRAPIN	4,800	1,875	6,700	3,789	8,600	3,605
TURTLES:						
LOGGERHEAD	1,600	16	-	-	1,600	16
SNAPPER	227,000	32,121	700	100	295,700	40,314
TOTAL	289,445,900	16,184,367	83,948,400	5,577,783	351,848,700	29,282,922

1/ INCLUDES BAYS AND CREEKS, EXCLUSIVE OF CHESAPEAKE BAY, WHICH DRAIN INTO THE ATLANTIC OCEAN.



CRAB TROT LINE

POTOMAC RIVER SHAD AND ALEWIFE FISHERY

The catch of shad in the Potomac River during 1960 amounted to 71,683 fish weighing 189,400 pounds and valued at $28,248 to the fishermen. Although the number of fish taken was 18 percent greater than in 1959, the poundage increased only 1 percent while the value declined 10 percent.

The 1960 Potomac River alewife catch totaled 13 million fish weighing nearly 6 million pounds valued at $87,122. Compared with 1959, this was a decline of 21 percent in the number, pounds, and also in the value of fish taken.

In 1960, there were 538 fishermen engaged in the Potomac River shad and alewife fisheries, compared with 625 during 1959. Statistics on the catch and operating units of these fisheries are included in catch and operating unit data for Virginia and Maryland.

SHAD

SUMMARY OF OPERATING UNITS AND CATCH, 1960

ITEM	MARYLAND 1/	VIRGINIA	TOTAL
OPERATING UNITS	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:			
REGULAR.	87	178	265
CASUAL	152	121	273
TOTAL	239	299	538
BOATS:			
MOTOR.	141	141	282
OTHER.	32	49	81
GEAR:			
HAUL SEINES, COMMON.	-	4	4
LENGTH, YARDS. . .	-	4,000	4,000
GILL NETS:			
ANCHOR	2	-	2
SQUARE YARDS . .	1,800	-	1,800
DRIFT.	2	14	16
SQUARE YARDS . .	2,400	16,400	18,800
STAKE.	190	116	306
SQUARE YARDS . .	142,100	70,600	212,700
POUND NETS	4	141	145
FYKE NETS.	-	6	6

ITEM	MARYLAND 1/			VIRGINIA			TOTAL		
CATCH	NUMBER	POUNDS	VALUE	NUMBER	POUNDS	VALUE	NUMBER	POUNDS	VALUE
SHAD:									
HAUL SEINES.	-	-	-	88	200	$30	88	200	$30
GILL NETS:									
DRIFT.	384	1,000	$144	2,150	5,800	830	2,534	6,800	974
STAKE.	16,692	43,400	6,692	6,100	15,900	2,300	22,792	59,300	8,992
POUND NETS	1,154	3,000	307	45,000	119,800	17,900	46,154	122,800	18,207
FYKE NETS.	-	-	-	115	300	45	115	300	45
TOTAL	18,230	47,400	7,143	53,453	142,000	21,105	71,683	189,400	28,248
ALEWIVES:									
HAUL SEINES.	-	-	-	46,100	20,500	347	46,100	20,500	347
GILL NETS:									
ANCHOR	516	300	4	-	-	-	516	300	4
DRIFT.	4,354	2,200	33	450	200	4	4,804	2,400	37
STAKE.	28,458	14,200	213	11,700	5,200	78	40,158	19,400	291
POUND NETS	52,336	26,200	393	12,837,400	5,705,500	85,832	12,889,736	5,731,700	86,225
FYKE NETS.	-	-	-	32,200	14,300	218	32,200	14,300	218
TOTAL	85,664	42,900	643	12,927,850	5,745,700	86,479	13,013,514	5,788,600	87,122

1/ MARYLAND DATA INCLUDE THE OPERATING UNITS AND CATCH OF 110 UNLICENSED GILL NETS UNDER 100 YARDS IN LENGTH.

SECTION 5 - SOUTH ATLANTIC FISHERIES

The 1960 catch of fish and shellfish landed at ports of the South Atlantic States (North Carolina, South Carolina, Georgia, and the East Coast of Florida) and the commercial catch from the inland lakes of Florida amounted to almost 379 million pounds valued at approximately $20 million. Compared with the previous year, this represented a decrease of almost 90 million pounds or 19 percent in volume. However, the value of the catch at the fishermen's level increased $1.4 million or 7 percent. Gains in the volume of landings of shrimp, crabs, and oysters were insufficient to overcome the large decline in menhaden landings. The greater total value of the catch resulted from increases in both the volume of the catch and prices paid fishermen for landings of shrimp and oysters. During 1960, a total of 12,928 fishermen operated in the South Atlantic area compared with 14,188 the previous year. The number of vessels of 5 net tons and over operating in this area decreased from 1,219 in 1959 to 1,174 in 1960.

There were 454 fishery wholesaling and manufacturing establishments operating in the South Atlantic States compared with 484 the previous year. These firms gave employment to over 8,000 people. Fishery products manufactured by these firms were valued at over $41 million--an increase of more than $1 million compared with the previous year. Chiefly responsible for the higher value of manufactured products was the tremendous increase in peeled and deveined shrimp. The production of this item more than doubled the quantity produced in 1959.

North Carolina led the South Atlantic States in volume of landings accounting for 70 percent of the total volume of fish and shellfish. The East Coast of Florida was next with 16 percent followed by Georgia and South Carolina with 7 percent each. Increases over the previous year were recorded in two of the South Atlantic States, South Carolina and Georgia.

The menhaden catch of 215 million pounds was 115 million pounds less than in 1959. The poor season was attributed to a reduction in the number of vessels due to the depressed meal and oil market and the severe weather conditions prevalent in the month of December which curtailed fishing operations along the North Carolina Coast. Large schools of fish were reported to have passed along the Coast without being fished. This was in direct contrast to the previous season when the excellent fall weather contributed substantially to that year's large production.

The 1960 catch of shellfish in the South Atlantic States, principally crabs (44.9 million pounds) and shrimp (31.2 million pounds), amounted to 81.7 million pounds valued at $12.8 million. This represented an increase of 17 percent in volume and 27 percent in value compared with the previous year. North Carolina was the only State reporting a decline in shellfish production.

The South Atlantic shrimp industry experienced a slight recovery in 1960 from the disastrous 1959 season. Production was up 20 percent and value, 30 percent. Although shrimp landings in North Carolina showed a slight decline, those in South Carolina were the largest in 10 years. The decline in North Carolina was caused largely by a failure of the pink shrimp fishery which declined 40 percent. The catch of white shrimp, a minor item in the North Carolina shrimp fishery, was up sharply with a catch of 392,000 pounds--over three times the previous year's production.

In South Carolina the catch of shrimp (8 million pounds) was 7 percent more than in 1959. Landings of white shrimp were up 26 percent while brown shrimp declined 21 percent. An important factor in the South Carolina shrimp fishery was the management program established by the Director of the Division of Commercial Fisheries, Wildlife Resources Department. Regular trawling stations were established for the purpose of determining the abundance and size of shrimp in specified areas. When the abundance and size of shrimp justified extending the season, it was authorized, thus increasing the harvest. An important factor in the South Carolina fishery was the greater proportion of large shrimp in the 1960 catch of both the brown and white species.

Shrimp landings in Georgia were the highest in 10 years due to large supplies of both brown and white shrimp. Brown shrimp landings were up 12 percent while white shrimp landings increased by 45 percent over the previous year. The phenomenal abundance of white shrimp was the principal reason for the overall increase. During May and June, an unusual concentration of jellyfish occurred off the Georgia Coast interrupting shrimp fishing for a considerable period. Had it not been for this interference, landings would have been even greater.

The shrimp fishery in Northeast Florida evidenced somewhat the same pattern as in the other South Atlantic States with white shrimp landings 68 percent greater than in the previous year. Because of improved shrimp fishing in the Gulf, it is believed more of the South Atlantic craft moved into Gulf waters in search of better fishing, thus improving the lot of the vessel owners who remained in this section.

A new high was established in the blue crab fishery of the South Atlantic States during 1960 with record landings in North Carolina, South Carolina, and Georgia. Otter trawl caught crabs played an important part in the early spring months and provided sufficient production to stabilize prices over the entire season. Since crabs were in short supply in Chesapeake Bay early in the year, there was a tendency to ship crabs from the South Atlantic to Chesapeake Bay for processing.

Production of oyster meats in the South Atlantic States during 1960 was 17 percent greater than in the previous year, while the value of landings increased 49 percent. Shortages of oysters in the Middle Atlantic and Chesapeake States increased the demand for the South Atlantic oysters, and prices rose steadily, causing more than normal fishing effort. South Carolina oyster landings increased by 37 percent over the previous year. Better management practices by State conservation officials and improved hydrographic conditions contributed to the increase. Landings in North Carolina and Georgia were less than in 1959. In North Carolina, it was believed by those managing the industry that overfishing the reefs the previous year may have contributed to the decline. The Georgia decline was caused chiefly by failure of the canneries to operate.

The production of shucked oysters increased 8 percent during 1960, while the value of the product increased 10 percent. A steady market as a result of shorter supplies further north accounted for the increase in value.

One of the most important discoveries in recent years occurred during 1960 when the Bureau's exploratory fishing vessel, Silver Bay, discovered huge beds of calico scallops just east of Cape Canaveral, Florida. The concentrations were described as some of the greatest ever discovered. The absence of an economical shucking device and a lack of a market for the scallops prevented immediate development of the resource.

The catch of dragger caught fish, such as sea trout, in the South Atlantic States was less than in the previous year. There appears to be no logical reason advanced for the decline which has occurred in recent years.

Mullet landings in 1960 were up sharply in North Carolina, but declined in South Carolina and on the East Coast of Florida. Improved prices in 1960 were limited to North Carolina where the fish were larger, contained more roe, and consequently were in greater demand. Bluefish and Spanish mackerel were less plentiful in 1960.

Biological research emphasis in the South Atlantic States shifted somewhat during 1960. Shad research, which had held an important place for many years, was curtailed. Greater emphasis was placed on the study of the blue crab--a fishery which had come in for considerable fishing pressure during the past few years. The industry and State conservation agencies were interested in knowing whether this fishery could stand the continued pressure to which it was being subjected. Menhaden research continued at a steady pace.

SOUTH ATLANTIC FISHERIES

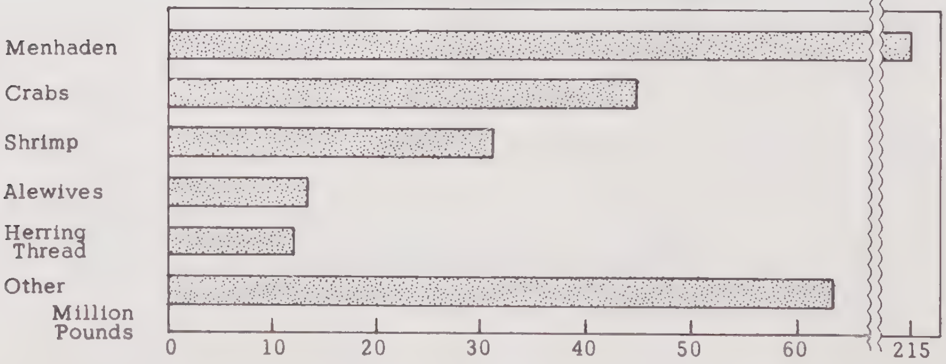
The Southeastern Fisheries Association meeting at St. Simons Island, Georgia, drew together members of the industry not only from the Southeastern States but as far away as Louisiana and Texas. The theme of the meeting was more unity among all members of the industry concerning the major problems confronting the industry. Among the problems discussed were pollution, conservation practices, and imports of shrimp.

The Bureau acknowledges the assistance of the following organizations in the collection of the data appearing in this section: The North Carolina Department of Conservation and Development, Division of Commercial Fisheries; South Carolina Wildlife Resources Department, Division of Commercial Fisheries; Georgia Game and Fish Commission, Coastal Fisheries Division; and Florida State Board of Conservation and Marine Laboratory, University of Miami.

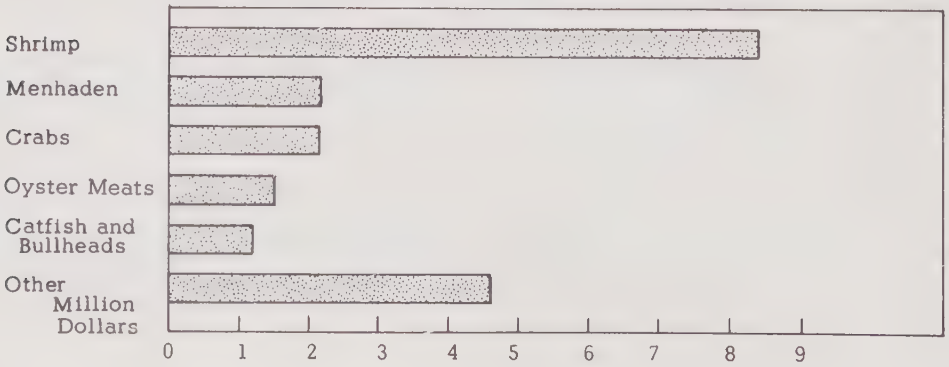
Condensed summary data on the operating units and catch of the South Atlantic section appearing on the following pages have been previously published in Current Fishery Statistics No. 2478. Seasonal variation in the catch of fish and shellfish in North Carolina, South Carolina, Georgia, and Florida can be ascertained from the 1960 landing bulletins issued for these four States in cooperation with the fishery agency in each State. Additional data on many aspects of the South Atlantic fisheries may be found in the daily, monthly, and annual reports published by the Hampton, Virginia, Market News Office of the Bureau.

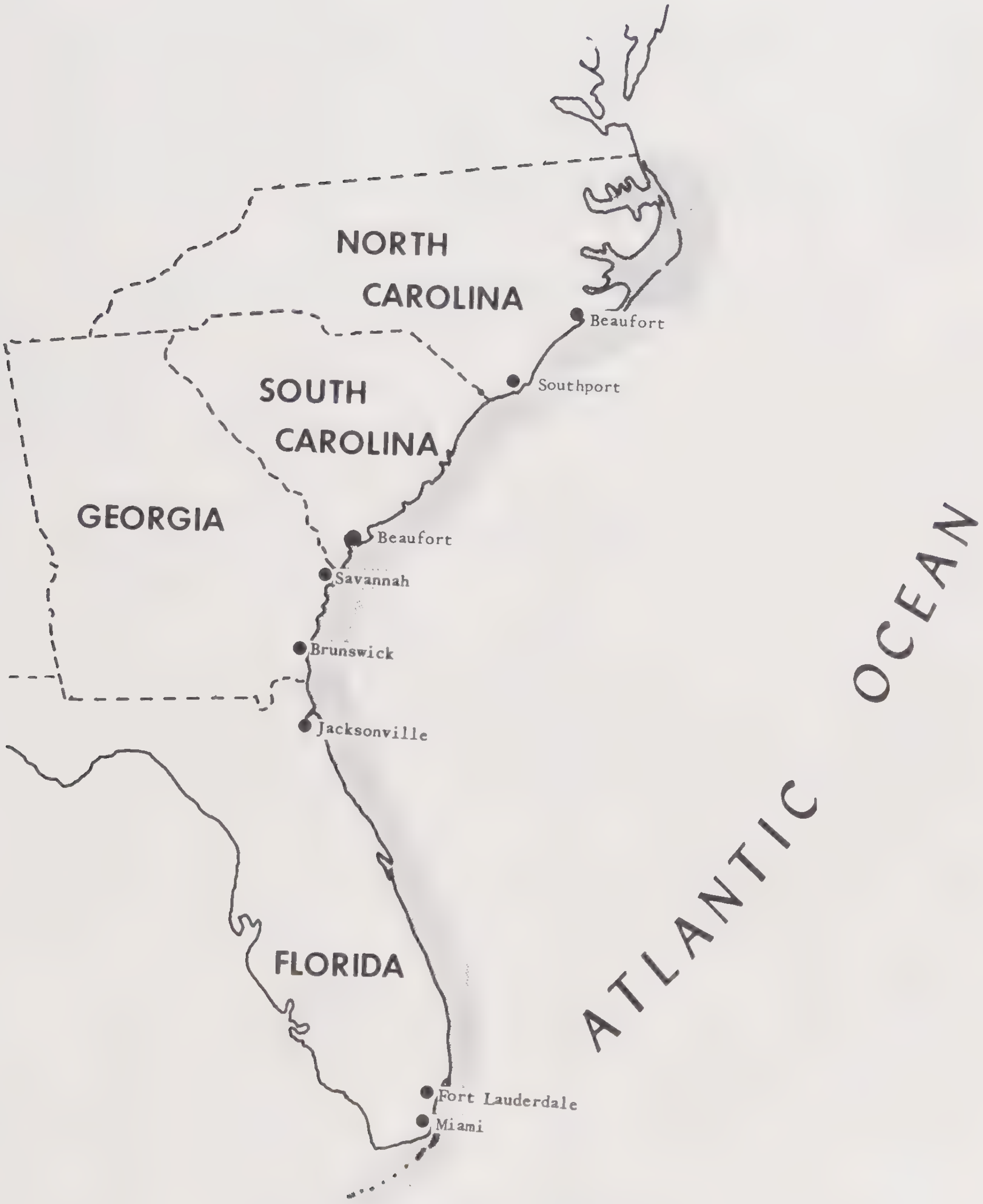
MENHADEN

SOUTH ATLANTIC STATES CATCH, 1960



VALUE OF SOUTH ATLANTIC STATES CATCH, 1960




NORTH
CAROLINA
Beaufort
Southport
SOUTH
CAROLINA
GEORGIA
Beaufort
Savannah
Brunswick
Jacksonville
FLORIDA
Fort Lauderdale
Miami
ATLANTIC OCEAN

SOUTH ATLANTIC STATES

SOUTH ATLANTIC FISHERIES

SECTIONAL SUMMARIES

SUMMARY OF CATCH, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

STATE	FISH		SHELLFISH, ETC.		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NORTH CAROLINA	242,375	3,857	22,873	3,163	265,248	7,020
SOUTH CAROLINA	6,377	386	17,875	3,653	24,252	4,039
GEORGIA	1,567	240	26,401	3,151	27,968	3,391
FLORIDA, EAST COAST	46,835	2,955	14,576	2,825	61,411	5,780
TOTAL	297,154	7,438	81,725	12,792	378,879	20,230

NOTE:--THE CATCH FOR THE INLAND LAKES OF FLORIDA IS INCLUDED WITH THE CATCH FOR THE EAST COAST OF FLORIDA.

SUMMARY OF OPERATING UNITS, 1960

ITEM	NORTH CAROLINA	SOUTH CAROLINA	GEORGIA	FLORIDA, EAST COAST	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	1,863	555	623	1,090	3,464
ON BOATS AND SHORE:					
REGULAR	2,794	846	512	1,390	5,542
CASUAL	1,617	773	791	741	3,922
TOTAL	6,274	2,174	1,926	3,221	12,928
VESSELS, MOTOR	447	273	308	458	1,174
GROSS TONNAGE 1/	17,200	7,368	8,462	16,485	39,214
BOATS:					
MOTOR	1,968	946	954	1,374	5,242
OTHER	889	137	42	88	1,156
ACCESSORY BOATS	142	-	-	9	151
GEAR:					
HAUL SEINES:					
COMMON	87	14	6	24	131
LENGTH, YARDS	22,705	3,500	925	13,785	40,915
LONG	48	-	-	-	48
LENGTH, YARDS	66,600	-	-	-	66,600
PURSE SEINES:					
MENHADEN	42	-	-	3	45
LENGTH, YARDS	16,800	-	-	1,200	18,000
OTHER	8	-	-	1	9
LENGTH, YARDS	5,800	-	-	200	6,000
BAG NETS	22	-	-	-	22
YARDS AT MOUTH	550	-	-	-	550
OTTER TRAWLS:					
CRAB	182	33	48	-	263
YARDS AT MOUTH	2,739	593	827	-	4,159
FISH	87	-	-	-	87
YARDS AT MOUTH	2,134	-	-	-	2,134
SCALLOP	10	-	-	-	10
YARDS AT MOUTH	90	-	-	-	90
SHRIMP	927	581	631	666	2,306
YARDS AT MOUTH	15,782	9,941	8,969	12,160	38,034
POUND NETS, FISH	891	-	-	12	903
HOOP AND FYKE NETS, FISH	144	-	-	355	499
POTS AND TRAPS:					
CRAB	14,675	7,050	9,250	9,925	40,900
EEL	665	-	-	-	665
FISH	5,790	2,925	547	6,520	15,782
LOBSTER, SPINY	-	-	-	18,990	18,990
TURTLE	65	-	-	-	65
GILL NETS:					
ANCHOR	1,299	267	58	36	1,660
SQUARE YARDS	522,900	35,174	36,750	22,000	616,824
DRIFT	226	101	416	79	822
SQUARE YARDS	96,560	13,636	203,300	101,950	415,446
RUNAROUND	231	-	-	300	531
SQUARE YARDS	174,700	-	-	536,300	711,000
STAKE	1,440	42	154	-	1,636
SQUARE YARDS	381,330	7,709	26,345	-	415,384
TRAMMEL NETS	-	-	-	9	9
SQUARE YARDS	-	-	-	7,670	7,670

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1960 - Continued

ITEM	NORTH CAROLINA	SOUTH CAROLINA	GEORGIA	FLORIDA, EAST COAST	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
GEAR - CONTINUED:					
LINES:					
HAND	18	50	81	963	1,112
HOOKS	32	100	190	1,035	1,357
TROLL	-	-	-	424	424
HOOKS	-	-	-	424	424
LONG OR SET WITH HOOKS	8	16	632	480	1,136
HOOKS	1,600	4,000	30,700	306,700	343,000
TROT WITH BAITS	373	146	7	2	528
BAITS	579,200	102,000	3,375	1,400	685,975
DIP NETS:					
COMMON	102	-	-	7	109
DROP	-	-	2,700	-	2,700
CAST NETS	-	41	6	23	70
SPEARS	64	25	-	6	95
DREDGES:					
CLAM	19	-	-	-	19
YARDS AT MOUTH	25	-	-	-	25
CRAB	28	-	-	-	28
YARDS AT MOUTH	42	-	-	-	42
OYSTER, COMMON	263	-	-	-	263
YARDS AT MOUTH	358	-	-	-	358
SCALLOP	50	-	-	-	50
YARDS AT MOUTH	50	-	-	-	50
TONGS	107	-	-	2	109
GRABS	-	218	42	-	260
RAKES	209	34	-	-	243
HOOKS, SPONGE	-	-	-	1	1

1/ PREVIOUSLY THE TONNAGE REPORTED WAS NET TONS.

NOTE:--THE OPERATING UNITS FOR THE INLAND LAKES OF FLORIDA ARE INCLUDED WITH THE DATA FOR THE EAST COAST OF FLORIDA.

CATCH BY STATES, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	NORTH CAROLINA		SOUTH CAROLINA		GEORGIA	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	12,815	128	-	-	-	-
AMBERJACK	-	-	-	-	1	(1)
BLUEFISH	615	78	(1)	(1)	-	-
BOWFIN	-	-	-	-	5	(1)
BUTTERFISH	209	17	-	-	-	-
CABIO	12	1	-	-	-	-
CARP	213	8	-	-	(1)	(1)
CATFISH AND BULLHEADS	1,058	85	284	25	141	20
CROAKER	2,093	158	20	1	(1)	(1)
DRUM:						
BLACK	53	3	(1)	(1)	3	(1)
RED	79	7	4	1	(1)	(1)
EELS, COMMON	66	3	-	-	1	(1)
FLOUNDERS	1,236	136	54	11	39	4
GROUPERS	(1)	(1)	7	1	2	1
HARVESTFISH	52	3	-	-	-	-
HERRING, THREAD	12,051	125	-	-	-	-
HICKORY SHAD	181	9	3	(1)	4	(1)
KING MACKEREL	48	10	1	(1)	1	(1)
KING WHITING OR "KINGFISH"	927	84	219	19	282	23
MENHADEN	190,431	1,981	-	-	-	-
MULLET	3,236	259	2,496	150	1	(1)
PIGFISH	88	5	-	-	-	-
POMPANO	8	2	10	3	-	-
SAND PERCH	79	2	-	-	-	-
SCUP OR PORGY	139	11	-	-	-	-
SEA BASS	126	13	29	5	1	(1)
SEA TROUT OR WEAKFISH:						
GRAY	2,240	124	13	1	-	-
SPOTTED	171	43	53	13	(1)	(1)
SHAD	507	127	106	34	533	176
SHARKS, UNCLASSIFIED	2	(1)	19	2	-	-
SHEEPSHEAD, SALT-WATER	11	1	-	-	-	-
SNAPPER, RED	(1)	(1)	2	(1)	8	3

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	NORTH CAROLINA		SOUTH CAROLINA		GEORGIA	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
SPADEFISH	4	(1)	-	-	-	-
SPANISH MACKEREL	118	18	6	1	-	-
SPOT	2,610	179	2,721	109	(1)	(1)
STRIPED BASS	782	125	-	-	1	(1)
STURGEON, COMMON	23	4	42	7	7	2
SUCKERS	(1)	(1)	-	-	-	-
SWELLFISH	348	10	-	-	-	-
TUNA, LITTLE	-	-	-	-	1	(1)
WHITE PERCH	304	30	-	-	-	-
YELLOW PERCH	17	1	-	-	-	-
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	9,423	67	288	3	536	11
TOTAL FISH	242,375	3,857	6,377	386	1,567	240
SHELLFISH, ETC.						
CRABS, BLUE:						
HARD	14,937	716	7,121	534	15,766	517
SOFT AND PEELER	91	32	-	-	-	-
TOTAL CRABS	15,028	748	7,121	534	15,766	517
SHRIMP	5,988	1,607	8,030	2,167	10,403	2,575
CLAMS, HARD, PUBLIC	432	173	97	32	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	445	206	-	-	-	-
FALL	672	319	-	-	-	-
PRIVATE:						
SPRING	29	10	1,378	483	199	50
FALL	70	25	1,249	437	33	9
TOTAL OYSTERS	1,216	560	2,627	920	232	59
SCALLOPS:						
BAY	69	27	-	-	-	-
CALICO	112	45	-	-	-	-
SQUID	14	1	-	-	-	-
TURTLES, SNAPPER	14	2	-	-	-	-
TOTAL SHELLFISH, ETC.	22,873	3,163	17,875	3,653	26,401	3,151
GRAND TOTAL	265,248	7,020	24,252	4,039	27,968	3,391

SPECIES	FLORIDA, EAST COAST		TOTAL	
FISH	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	26	1	12,841	129
AMBERJACK	33	1	34	1
BALLYHOO	15	2	15	2
BARRACUDA	3	(1)	3	(1)
BLUEFISH	1,090	115	1,705	193
BLUE RUNNER	57	3	57	3
BONITO	1	(1)	1	(1)
BOWFIN	-	-	5	(1)
BUTTERFISH	-	-	209	17
CABIO	17	2	29	3
CARP	-	-	213	8
CATFISH AND BULLHEADS	8,178	1,067	9,661	1,197
CREVALLE	176	5	176	5
CROAKER	141	18	2,254	177
DOLPHIN	5	1	5	1
DRUM:				
BLACK	49	4	105	7
RED	129	19	212	27
EELS, COMMON	-	-	67	3
FLOUNDERS	153	25	1,482	176
GIZZARD SHAD	82	2	82	2
GROUPERS	253	29	262	31
GRUNTS	43	3	43	3
HARVESTFISH	-	-	52	3
HERRING, THREAD	-	-	12,051	125
HICKORY SHAD	-	-	188	9
HOGFISH	4	1	4	1
JEWFISH	11	1	11	1
KING MACKEREL	1,807	226	1,857	236

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	FLORIDA, EAST COAST		TOTAL	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE
KING WHITING OR "KINGFISH"	1,759	155	3,187	281
MENHADEN	24,592	204	215,023	2,185
MOJARRA	54	4	54	4
MULLET	2,217	111	7,950	520
PERMIT	1	(1)	1	(1)
PIGFISH	10	1	98	6
POMPANO	155	102	173	107
SAND PERCH	-	-	79	2
SCUP OR PORGY	-	-	139	11
SEA BASS	28	3	184	21
SEA CATFISH	29	1	29	1
SEA TROUT OR WEAKFISH:				
GRAY	54	5	2,307	130
SPOTTED	890	209	1,114	265
SHAD	468	61	1,614	398
SHARKS, UNCLASSIFIED	1	(1)	22	2
SHEEPSHEAD, SALT-WATER	90	8	101	9
SNAPPER:				
MANGROVE	56	10	56	10
MUTTON	53	11	53	11
RED	667	197	677	200
VERMILION	2	(1)	2	(1)
WHITE	12	1	12	1
YELLOWTAIL	98	27	98	27
SPADEFISH	-	-	4	(1)
SPANISH MACKEREL	2,282	224	2,406	243
SPOT	1,033	95	6,364	383
STRIPED BASS	(1)	(1)	783	125
STURGEON, COMMON	-	-	72	13
SUCKERS	-	-	(1)	(1)
SWELLFISH	-	-	348	10
TENPOUNDER	(1)	(1)	(1)	(1)
TRIGGERFISH	3	(1)	3	(1)
TRIPLETAIL	1	(1)	1	(1)
TUNA, LITTLE	-	-	1	(1)
WARSAW	7	1	7	1
WHITE PERCH	-	-	304	30
YELLOW PERCH	-	-	17	1
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	10,247	81
TOTAL FISH	46,835	2,955	297,154	7,438
SHELLFISH, ETC.				
CRABS:				
BLUE:				
HARD	6,962	348	44,786	2,115
SOFT AND PEELER	(1)	(1)	91	32
STONE	50	16	50	16
TOTAL CRABS	7,012	364	44,927	2,163
LOBSTERS, SPINY	719	281	719	281
SHRIMP	6,793	2,163	31,214	8,512
CLAMS, HARD:				
PUBLIC	1	(1)	530	205
PRIVATE	1	(1)	1	(1)
OYSTERS, MARKET:				
PUBLIC:				
SPRING	14	4	459	210
FALL	5	2	677	321
PRIVATE:				
SPRING	11	3	1,617	546
FALL	14	4	1,366	475
TOTAL OYSTERS	44	13	4,119	1,552
SCALLOPS:				
BAY	-	-	69	27
CALICO	-	-	112	45
SQUID	1	(1)	15	1
TURTLES:				
GREEN	1	(1)	1	(1)
LOGGERHEAD	3	(1)	3	(1)
SNAPPER	-	-	14	2
SPONGES, SHEEPSWOOL	1	4	1	4
TOTAL SHELLFISH, ETC.	14,576	2,825	81,725	12,792
GRAND TOTAL	61,411	5,780	378,879	20,230

1/ LESS THAN 500 POUNDS OR $500.

NOTE:--THE CATCH FOR THE INLAND LAKES OF FLORIDA IS INCLUDED WITH THE CATCH FOR THE EAST COAST OF FLORIDA.

CATCH OF CERTAIN SHELLFISH, 1960

(NUMBER AND BUSHELS)

SPECIES		NORTH CAROLINA		SOUTH CAROLINA		GEORGIA	
		QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CRABS, BLUE:							
HARD	NUMBER	44,810,100	$716,387	17,089,920	$534,122	31,532,000	$516,755
SOFT AND PEELER	DO	272,700	31,815	-	-	-	-
CLAMS, HARD, PUBLIC	U.S. STD. BUSHEL	49,314	172,600	11,097	32,043	-	-
OYSTERS, MARKET:							
PUBLIC:							
SPRING	DO	105,355	206,100	-	-	-	-
FALL	DO	157,770	319,517	-	-	-	-
PRIVATE:							
SPRING	DO	7,396	10,150	445,955	482,440	60,345	49,675
FALL	DO	18,114	24,676	450,902	437,185	13,367	9,156
SCALLOPS:							
BAY	DO	11,450	27,480	-	-	-	-
CALICO	DO	25,560	44,680	-	-	-	-

SPECIES		FLORIDA, EAST COAST		TOTAL	
		QUANTITY	VALUE	QUANTITY	VALUE
CRABS:					
BLUE:					
HARD	NUMBER	13,924,200	$348,105	107,356,220	$2,115,369
SOFT AND PEELER	DO	1,200	150	273,900	31,965
STONE	DO	49,500	16,335	49,500	16,335
CLAMS, HARD:					
PUBLIC	U.S. STD. BUSHEL	138	352	60,549	204,995
PRIVATE	DO	125	320	125	320
OYSTERS, MARKET:					
PUBLIC:					
SPRING	DO	3,140	4,050	108,495	210,150
FALL	DO	1,286	1,620	159,056	321,137
PRIVATE:					
SPRING	DO	2,628	3,360	516,324	545,625
FALL	DO	3,428	4,320	485,811	475,337
SCALLOPS:					
BAY	DO	-	-	11,450	27,480
CALICO	DO	-	-	25,560	44,680

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

AVERAGE WEIGHTS OF CERTAIN SHELLFISH, 1960

SPECIES		NORTH CAROLINA	SOUTH CAROLINA	GEORGIA	FLORIDA, EAST COAST
		QUANTITY	QUANTITY	QUANTITY	QUANTITY
CRABS:					
BLUE:					
HARD	NUMBER PER POUND	3.00	2.40	2.00	2.00
SOFT AND PEELER	DO	3.00	-	-	4.00
STONE	DO	-	-	-	1.00
CLAMS, HARD:	LB. MEATS PER U.S. STANDARD BUSHEL				
PUBLIC		8.75	8.75	-	8.00
PRIVATE		-	-	-	8.00
OYSTERS, MARKET:					
PUBLIC:					
SPRING	DO	4.22	-	-	4.30
FALL	DO	4.26	-	-	4.20
PRIVATE:					
SPRING	DO	3.92	3.09	3.29	4.30
FALL	DO	3.89	2.77	2.45	4.20
SCALLOPS:					
BAY	DO	6.00	-	-	-
CALICO	DO	4.37	-	-	-

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

MANUFACTURED FISHERY PRODUCTS, 1960

ITEM		NORTH CAROLINA		SOUTH CAROLINA	
		QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES:					
ROE, CANNED	STANDARD CASES	11,217	$146,640	-	-
FISH, CORNED (SALTED)	POUNDS	4,330,000	119,500	-	-
MENHADEN:					
DRY SCRAP AND MEAL	TONS	21,165	1,728,904	-	-
OIL	GALLONS	2,995,402	1,359,350	-	-
SOLUBLES	TONS	6,788	216,688	-	-
MULLET, SALTED	POUNDS	352,220	70,555	-	-
SPANISH MACKEREL, FRESH AND FROZEN FILLETS	DO	(1)	(1)	-	-
CRABS, BLUE:					
COOKED MEAT	DO	1,284,093	1,106,238	154,810	$162,510
SPECIALITIES, FROZEN (DEVILED, CAKES, ETC.)	DO	(1)	(1)	(1)	(1)
MEAL AND SCRAP	TONS	606	24,477	-	-
SHRIMP, FRESH AND FROZEN:					
RAW, HEADLESS	POUNDS	(1)	(1)	(1)	(1)
PEELED, (INCLUDING DEVEINED)	DO	-	-	(1)	(1)
BREADED (RAW AND COOKED)	DO	(1)	(1)	(1)	(1)
OYSTERS, FRESH AND FROZEN:					
SHUCKED	GALLONS	96,308	618,677	90,766	477,084
STEAMED	POUNDS	-	-	39,253	23,552
BREADED	DO	(1)	(1)	(1)	(1)
UNCLASSIFIED PRODUCTS:					
FRESH AND FROZEN PACKAGED:					
FISH FILLETS AND STEAKS, NOT BREADED	DO	(2)	(2)	-	-
FISH AND SHELLFISH	DO	4/ 748,425	4/ 440,616	5/ 75,250	5/ 52,997
MISCELLANEOUS PRODUCTS 8/	-	-	514,005	-	1,229,692
TOTAL	-	-	6,345,650	-	1,945,835

ITEM		GEORGIA		FLORIDA, EAST COAST	
		QUANTITY	VALUE	QUANTITY	VALUE
MENHADEN:					
DRY SCRAP AND MEAL	TONS	-	-	(1)	(1)
OIL	GALLONS	-	-	(1)	(1)
SPANISH MACKEREL, FRESH AND FROZEN FILLETS	POUNDS	-	-	247,700	$56,690
CRABS, BLUE:					
COOKED MEAT	DO	1,628,114	$1,616,592	1,034,837	978,568
SPECIALTIES, FROZEN (DEVILED, CAKES, ETC.)	DO	218,527	142,487	(1)	(1)
MEAL AND SCRAP	TONS	(1)	(1)	(1)	(1)
LOBSTER, SPINY, COOKED (WHOLE)	POUNDS	-	-	851,850	435,137
SHRIMP, FRESH AND FROZEN:					
RAW, HEADLESS	DO	957,466	544,209	1,966,568	1,476,609
PEELED (INCLUDING DEVEINED)	DO	5,261,228	4,854,568	2,078,287	1,963,440
BREADED (RAW AND COOKED)	DO	15,074,106	9,853,068	7,311,577	5,622,045
SPECIALTIES (CREOLE, DINNERS, STICKS, AND STUFFED)	DO	1,815,103	830,732	(1)	(1)
OYSTERS, FRESH AND FROZEN:					
SHUCKED	GALLONS	13,659	68,652	2,720	9,959
BREADED	POUNDS	(1)	(1)	188,568	167,519
SCALLOPS, BREADED	DO	(1)	(1)	59,991	40,406
UNCLASSIFIED PRODUCTS:					
FRESH AND FROZEN PACKAGED:					
FISH FILLETS AND STEAKS, NOT BREADED	DO	-	-	3/ 394,204	3/ 192,031
FISH AND SHELLFISH	DO	6/4,800,773	6/2,374,714	7/1,126,924	7/ 554,771
MISCELLANEOUS PRODUCTS 8/	-	-	72,006	-	1,304,219
TOTAL	-	-	20,357,028	-	12,801,394

1/ INCLUDED WITH "UNCLASSIFIED PRODUCTS". 2/ INCLUDED WITH FISH AND SHELLFISH. 3/ INCLUDES FRESH AND FROZEN FILLETS OF BLUEFISH, GROUPER, POMPANO, AND RED SNAPPER; FROZEN KING WHITING STEAKS AND SEA TROUT FILLETS.
4/ INCLUDES FRESH FILLETS OF FLOUNDER, SCUP, SEA BASS, SEA TROUT, STRIPED BASS, AND SPANISH MACKEREL; FROZEN BREADED TROUT, FLOUNDER, SHRIMP AND OYSTERS; FRESH SHUCKED CLAMS AND SCALLOPS; FROZEN CRAB CAKES, DEVILED CRABS, RAW HEADLESS SHRIMP, AND SHELLFISH DINNERS. 5/ INCLUDES DEVILED CRABS, COOKED AND RAW HEADLESS SHRIMP, PEELED SHRIMP, BREADED SHRIMP AND OYSTERS, AND SHELLFISH PLATTERS. 6/ INCLUDES FROZEN FISH STICKS AND PORTIONS, FISH DINNERS, BREADED OYSTERS AND SCALLOPS, AND SHELLFISH DINNERS. 7/ INCLUDES FROZEN FISH STICKS AND PORTIONS, CRAB CAKES, ROLLS, AND STICKS, DEVILED CRABS, STUFFED SHRIMP, SHRIMP PATTIES, AND SHELLFISH ROLLS; AND FRESH SHUCKED CLAMS. 8/ INCLUDES THE VALUE OF CANNED ALEWIVES, KING MACKEREL PASTE, SHAD, ANIMAL FOOD, CRAB MEAT, DEVILED CRAB MEAT, SHRIMP, OYSTERS, AND OYSTER STEW; SALTED SPOT; SMOKED ALEWIVES, BUTTERFISH, CHUBS, KING WHITING, MARLIN, SABLEFISH, SALMON, STURGEON, AND WHITEFISH; MENHADEN MEAL AND OIL; CRAB, SHRIMP, AND UNCLASSIFIED MEAL; UNCLASSIFIED OIL; AND OYSTER SHELL LIME AND POULTRY GRIT.

NOTE:--SOME OF THE ABOVE PRODUCTS MAY HAVE BEEN MANUFACTURED FROM RAW PRODUCTS IMPORTED FROM ANOTHER STATE OR A FOREIGN COUNTRY; THEREFORE, THEY CANNOT BE CORRELATED DIRECTLY WITH THE CATCH WITHIN THE STATE.

SUMMARY OF PRODUCTION, BY COMMODITIES, 1960

SUMMARY OF ITEMS		QUANTITY	VALUE
PACKAGED, FRESH AND FROZEN:			
NOT BREADED:			
FISH FILLETS AND STEAKS	POUNDS	684,904	$271,646
SHELLFISH	DO	17,593,447	14,604,118
BREADED:			
FISH	DO	4,103,209	1,774,278
SHELLFISH	DO	23,546,481	16,410,924
SPECIALITIES	DO	3,169,827	1,602,905
CANNED FISH AND SHELLFISH	STANDARD CASES	108,064	1,847,974
CURED FISH (SALTED AND SMOKED)	POUNDS	5,314,320	594,380
BYPRODUCTS	-	-	4,343,682
TOTAL	-	-	41,449,907

SUMMARY OF VALUE, BY STATES, 1960

STATE	VALUE
NORTH CAROLINA	$6,345,650
SOUTH CAROLINA	1,945,835
GEORGIA	20,357,028
FLORIDA, EAST COAST	12,801,394
TOTAL	41,449,907

TRANSPORTING, WHOLESALING, AND MANUFACTURING, 1960

ITEM	NORTH CAROLINA	SOUTH CAROLINA	GEORGIA	FLORIDA, EAST COAST	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
TRANSPORTING:					
PERSONS ENGAGED:					
ON VESSELS	16	30	-	10	56
ON BOATS	-	-	-	45	45
VESSELS, MOTOR	12	15	-	3	30
GROSS TONNAGE	133	292	-	74	499
WHOLESALING AND MANUFACTURING:					
ESTABLISHMENTS	185	68	61	140	454
PERSONS ENGAGED:					
AVERAGE FOR SEASON	2,541	1,007	3,265	1,774	8,587
AVERAGE FOR YEAR	978	488	2,297	1,341	5,104

NOTE:--BOATS AND VESSELS ENGAGED IN TRANSPORTING AND FISHING ARE INCLUDED ONLY AS FISHING CRAFT. OF THE TOTAL NUMBER OF PERSONS OPERATING ON TRANSPORTERS, 101 ENGAGED IN FISHING AND HAVE ALSO BEEN INCLUDED AS FISHERMEN.

SOUTH ATLANTIC FISHERIES
NORTH CAROLINA

OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES		PURSE SEINES		BAG NETS	OTTER TRAWLS			
	COMMON	LONG	MENHADEN	OTHER		CRAB	FISH	SCALLOP	SHRIMP
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:									
ON VESSELS	-	49	943	-	-	25	184	28	860
ON BOATS AND SHORE:									
REGULAR	174	206	-	16	-	246	32	-	715
CASUAL	316	9	-	24	36	30	-	-	-
TOTAL	490	264	943	40	36	301	216	28	1,575
VESSELS, MOTOR	-	16	42	-	-	12	71	10	389
GROSS TONNAGE	-	136	8,470	-	-	115	2,618	380	8,533
BOATS:									
MOTOR	39	80	-	8	12	170	16	-	427
OTHER	73	80	-	8	10	-	-	-	-
ACCESSORY BOATS	-	16	126	-	-	-	-	-	-
GEAR:									
NUMBER	87	48	42	8	22	182	87	10	927
LENGTH, YARDS	22,705	66,600	16,800	5,800	-	-	-	-	-
YARDS AT MOUTH	-	-	-	-	550	2,739	2,134	90	15,782

ITEM	POUND NETS, FISH	HOOP AND FYKE NETS, FISH	POTS AND TRAPS				GILL NETS	
			CRAB	EEL	FISH	TURTLE	ANCHOR	DRIFT SHAD
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS	-	-	-	-	-	-	25	-
ON BOATS AND SHORE:								
REGULAR	136	-	197	7	78	-	268	-
CASUAL	104	15	64	29	105	3	219	210
TOTAL	240	15	261	36	183	3	512	210
VESSELS, MOTOR	-	-	-	-	-	-	9	-
GROSS TONNAGE	-	-	-	-	-	-	71	-
BOATS:								
MOTOR	102	10	221	34	110	3	301	50
OTHER	3	-	-	2	65	-	16	160
GEAR:								
NUMBER	891	144	14,675	665	5,790	65	1,299	210
SQUARE YARDS	-	-	-	-	-	-	522,900	84,000

ITEM	GILL NETS - CONTINUED			LINES			DIP NETS, COMMON	SPEARS
	DRIFT - CONTINUED OTHER	RUNA-ROUND	STAKE	HAND	LONG OR SET WITH HOOKS	TROT WITH BAITS		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS	-	-	-	4	-	-	-	-
ON BOATS AND SHORE:								
REGULAR	-	248	201	-	-	320	50	-
CASUAL	16	209	157	14	8	110	52	64
TOTAL	16	457	358	18	8	430	102	64
VESSELS, MOTOR	-	-	-	1	-	-	-	-
GROSS TONNAGE	-	-	-	29	-	-	-	-
BOATS:								
MOTOR	-	201	223	7	8	305	50	-
OTHER	16	54	108	-	-	68	52	64
GEAR:								
NUMBER	16	231	1,440	18	8	373	102	64
SQUARE YARDS	12,560	174,700	381,330	-	-	-	-	-
HOOKS OR BAITS	-	-	-	32	1,600	579,200	-	-

ITEM	DREDGES				TONGS	RAKES	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	CLAM	CRAB	OYSTER, COMMON	SCALLOP				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS	18	28	34	-	-	-	-	1,863
ON BOATS AND SHORE:								
REGULAR	20	-	492	25	58	40	110	2,794
CASUAL	-	-	-	-	49	169	138	1,617
TOTAL	38	28	526	25	107	209	248	6,274
VESSELS, MOTOR	9	14	17	-	-	-	-	447
GROSS TONNAGE	248	138	158	-	-	-	-	17,200
BOATS:								
MOTOR	10	-	246	25	37	40	90	1,968
OTHER	-	-	-	-	70	169	158	889
ACCESSORY BOATS	-	-	-	-	-	-	-	142
GEAR:								
NUMBER	19	28	263	50	107	209	-	-
YARDS AT MOUTH	25	42	358	50	-	-	-	-

NORTH CAROLINA - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		PURSE SEINES		BAG NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	140,800	$1,408	-	-	-	-
BLUEFISH	440,700	52,620	-	-	-	-
BUTTERFISH	58,000	4,640	-	-	-	-
CABIO	11,600	696	-	-	-	-
CARP	59,000	3,039	-	-	-	-
CATFISH AND BULLHEADS	108,100	9,368	-	-	-	-
CROAKER	381,800	22,908	-	-	-	-
DRUM:						
BLACK	14,900	894	-	-	-	-
RED	72,500	5,800	-	-	-	-
FLOUNDERS	188,000	26,640	-	-	-	-
HARVESTFISH	18,100	1,257	-	-	-	-
HERRING, THREAD	-	-	12,050,600	$125,326	-	-
HICKORY SHAD	16,100	805	-	-	-	-
KING MACKEREL	9,900	1,980	-	-	-	-
KING WHITING OR "KINGFISH"	114,200	10,553	-	-	-	-
MENHADEN	13,900	139	190,417,400	1,980,341	-	-
MULLET	2,211,900	176,952	-	-	-	-
PIGFISH	58,700	3,457	-	-	-	-
POMPANO	8,100	2,430	-	-	-	-
SEA TROUT OR WEAKFISH:						
GRAY	268,200	20,492	-	-	-	-
SPOTTED	110,300	27,575	-	-	-	-
SHAD	36,400	9,100	-	-	-	-
SHARKS, UNCLASSIFIED	2,300	115	-	-	-	-
SHEEPSHEAD, SALT-WATER	11,200	896	-	-	-	-
SPADEFISH	3,800	304	-	-	-	-
SPANISH MACKEREL	69,900	10,485	-	-	-	-
SPOT	2,040,200	146,952	-	-	-	-
STRIPED BASS	196,700	31,472	89,800	14,368	-	-
STURGEON, COMMON	10,900	1,635	-	-	-	-
SUCKERS	200	8	-	-	-	-
SWELLFISH	50,000	1,500	-	-	-	-
WHITE PERCH	26,600	2,660	-	-	-	-
YELLOW PERCH	700	42	-	-	-	-
SHRIMP	-	-	-	-	100,000	$21,581
TURTLES, SNAPPER	5,200	936	-	-	-	-
TOTAL	6,758,900	579,758	202,557,800	2,120,035	100,000	21,581

SPECIES	OTTER TRAWLS		POUND NETS		HOOP AND FYKE NETS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	11,058,000	$110,580	13,500	$135	-	-
BLUEFISH	8,000	$640	10,600	1,590	-	-	-	-
BUTTERFISH	107,300	8,584	43,600	3,488	-	-	-	-
CARP	-	-	47,500	1,425	81,700	2,451	18,400	$552
CATFISH AND BULLHEADS	-	-	145,600	11,648	48,000	3,840	680,300	54,424
CROAKER	1,537,500	122,235	111,600	6,696	-	-	-	-
DRUM:								
BLACK	37,100	2,226	-	-	-	-	-	-
RED	6,800	680	-	-	-	-	-	-
EELS, COMMON	-	-	-	-	-	-	65,900	2,636
FLOUNDERS	908,600	86,826	43,800	5,256	-	-	-	-
HARVESTFISH	8,800	616	25,000	1,500	-	-	-	-
HICKORY SHAD	-	-	75,400	3,770	200	10	-	-
KING WHITING OR "KINGFISH"	663,700	55,897	9,400	752	-	-	-	-
PIGFISH	15,300	765	-	-	-	-	-	-
SAND PERCH	79,100	2,373	-	-	-	-	-	-
SCUP OR PORGY	135,100	10,808	-	-	-	-	-	-
SEA BASS	37,000	3,700	-	-	-	-	33,000	3,300
SEA TROUT OR WEAKFISH:								
GRAY	1,774,400	88,720	36,400	2,184	-	-	-	-
SPOTTED	-	-	5,700	1,425	-	-	-	-
SHAD	-	-	282,900	70,725	-	-	-	-
SPANISH MACKEREL	-	-	3,800	570	-	-	-	-
SPOT	329,800	13,192	12,000	720	-	-	-	-
STRIPED BASS	-	-	195,300	31,248	-	-	-	-
STURGEON, COMMON	3,000	450	7,300	1,095	-	-	-	-
SWELLFISH	298,100	8,943	-	-	-	-	-	-
WHITE PERCH	-	-	194,300	19,430	9,700	970	-	-
YELLOW PERCH	-	-	3,100	186	11,400	684	-	-
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	9,423,600	66,945	-	-	-	-	-	-
CRABS, BLUE:								
HARD	3,044,800	121,792	-	-	-	-	6,072,900	303,645
SOFT AND PEELER	81,900	28,665	-	-	-	-	-	-
SHRIMP	5,888,300	1,585,222	-	-	-	-	-	-
SCALLOPS, CALICO	111,700	44,680	-	-	-	-	-	-
SQUID	13,600	816	-	-	-	-	-	-
TURTLES, SNAPPER	-	-	-	-	-	-	8,300	1,494
TOTAL	24,513,500	2,254,775	12,311,300	274,288	164,500	8,090	6,878,800	366,051

(CONTINUED ON NEXT PAGE)

NORTH CAROLINA - CATCH BY GEAR, 1960 - Continued

SPECIES	GILL NETS							
	ANCHOR		DRIFT		RUNAROUND		STAKE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	1,183,300	$11,833	12,200	$122	-	-	407,200	$4,072
BLUEFISH	35,000	5,250	-	-	95,100	$14,265	25,200	3,780
CARP	4,900	147	400	12	-	-	1,000	30
CATFISH AND BULLHEADS	18,900	1,512	400	32	-	-	5,900	472
CROAKER	14,100	1,410	-	-	15,500	1,550	32,300	3,230
FLOUNDERS	2,500	250	-	-	-	-	700	70
HICKORY SHAD	37,000	1,850	1,600	80	-	-	50,400	2,520
KING MACKEREL	-	-	-	-	5,000	1,000	-	-
KING WHITING OR "KINGFISH"	83,400	10,008	-	-	23,800	2,856	33,000	3,960
MULLET	120,800	9,664	17,000	1,360	591,500	47,320	294,800	23,584
PIGFISH	-	-	-	-	14,000	840	-	-
SEA TROUT OR WEAKFISH:								
GRAY	28,700	2,296	-	-	95,500	7,620	36,200	2,896
SPOTTED	8,200	2,050	1,800	450	32,700	8,175	12,500	3,125
SHAD	66,600	16,650	32,300	8,075	-	-	88,500	22,125
SPANISH MACKEREL	-	-	-	-	17,800	2,670	2,000	300
SPOT	84,800	6,784	-	-	115,200	9,216	28,500	2,280
STRIPED BASS	239,500	38,320	2,000	320	4,000	640	55,000	8,800
STURGEON, COMMON	500	75	-	-	1,500	225	100	15
WHITE PERCH	53,100	5,310	1,400	140	1,000	100	17,500	1,750
YELLOW PERCH	1,000	60	-	-	-	-	400	24
TOTAL	1,982,300	113,469	69,100	10,591	1,012,600	96,477	1,091,200	83,033

SPECIES	LINES					
	HAND		LONG OR SET WITH HOOKS		TROT WITH BAITS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH AND BULLHEADS	-	-	50,700	$4,056	-	-
DRUM, BLACK	1,200	$72	-	-	-	-
GROUPERS	500	35	-	-	-	-
KING MACKEREL	33,000	6,600	-	-	-	-
SCUP OR PORGY	3,500	280	-	-	-	-
SEA BASS	56,300	5,630	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY	900	90	-	-	-	-
SNAPPER, RED	300	84	-	-	-	-
SPANISH MACKEREL	25,000	3,750	-	-	-	-
CRABS, BLUE, HARD	-	-	-	-	5,744,000	$287,200
TOTAL	120,700	16,541	50,700	4,056	5,744,000	287,200

SPECIES	DIP NETS		SPEARS		DREDGES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS	-	-	92,400	$16,512	-	-
CRABS, BLUE:						
HARD	-	-	-	-	75,000	$3,750
SOFT AND PEELER	9,000	$3,150	-	-	-	-
CLAMS, HARD, PUBLIC	-	-	-	-	224,000	89,600
OYSTERS, MARKET, PUBLIC:						
SPRING	-	-	-	-	246,900	133,033
FALL	-	-	-	-	417,100	225,647
SCALLOPS, BAY	10,700	4,280	-	-	50,000	20,000
TOTAL	19,700	7,430	92,400	16,512	1,013,000	472,030

SPECIES	TONGS		RAKES		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CLAMS, HARD, PUBLIC	-	-	207,500	$83,000	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	46,900	$20,287	-	-	150,800	$52,780
FALL	69,000	28,770	-	-	186,000	65,100
PRIVATE:						
SPRING	21,500	7,525	-	-	7,500	2,625
FALL	42,500	14,875	-	-	28,000	9,800
SCALLOPS, BAY	-	-	8,000	3,200	-	-
TOTAL	179,900	71,457	215,500	86,200	372,300	130,305

NORTH CAROLINA - OPERATING UNITS BY COUNTIES, 1960

ITEM	BEAUFORT	BERTIE	BRUNSWICK	CAMDEN	CARTERET	CHOWAN	CRAVEN
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	71	-	330	-	1,058	-	8
ON BOATS AND SHORE:							
REGULAR	247	9	208	6	740	143	33
CASUAL	88	28	173	13	270	114	82
TOTAL	406	37	711	19	2,068	257	123
VESSELS, MOTOR	32	-	72	-	163	-	4
GROSS TONNAGE	622	-	3,749	-	9,196	-	98
BOATS:							
MOTOR	153	17	120	15	481	137	29
OTHER	76	-	125	4	167	42	60
ACCESSORY BOATS	-	-	21	-	119	-	-
GEAR:							
HAUL SEINES:							
COMMON	6	-	14	-	16	2	8
LENGTH, YARDS	1,200	-	1,635	-	4,240	1,400	1,400
LONG	-	-	-	-	26	-	1
LENGTH, YARDS	-	-	-	-	38,700	-	800
PURSE SEINES:							
MENHADEN	-	-	7	-	35	-	-
LENGTH, YARDS	-	-	2,800	-	14,000	-	-
BAG NETS	-	-	-	-	22	-	-
YARDS AT MOUTH	-	-	-	-	550	-	-
OTTER TRAWLS:							
CRAB	23	-	-	-	62	-	-
YARDS AT MOUTH	344	-	-	-	942	-	-
FISH	1	-	-	-	39	-	-
YARDS AT MOUTH	28	-	-	-	1,032	-	-
SCALLOP, CALICO	-	-	-	-	9	-	-
YARDS AT MOUTH	-	-	-	-	81	-	-
SHRIMP	78	-	112	-	317	-	4
YARDS AT MOUTH	1,294	-	2,146	-	5,322	-	93
POUND NETS	74	96	-	-	48	425	-
POTS AND TRAPS:							
CRAB	2,500	-	75	-	6,000	-	-
EEL	25	-	-	-	-	300	-
FISH	-	150	-	400	-	3,200	-
GILL NETS:							
ANCHOR	-	-	30	25	23	285	-
SQUARE YARDS	-	-	9,000	10,000	39,600	91,200	-
DRIFT, SHAD	20	-	-	-	-	-	-
SQUARE YARDS	8,000	-	-	-	-	-	-
RUNAROUND	-	-	45	-	40	-	-
SQUARE YARDS	-	-	13,500	-	48,000	-	-
STAKE	750	40	-	20	194	8	100
SQUARE YARDS	123,750	8,000	-	8,000	52,380	3,200	65,000
LINES:							
HAND	-	-	4	-	4	-	-
HOOKS	-	-	8	-	4	-	-
TROT WITH BAITS	125	-	-	-	30	-	2
BAITS	225,000	-	-	-	30,000	-	2,400
DIP NETS, COMMON	-	-	-	-	100	-	-
SPEARS	-	-	4	-	30	-	-
DREDGES:							
CLAM	-	-	-	-	18	-	-
YARDS AT MOUTH	-	-	-	-	24	-	-
OYSTER, COMMON	53	-	-	-	25	-	-
YARDS AT MOUTH	71	-	-	-	34	-	-
SCALLOP	-	-	-	-	50	-	-
YARDS AT MOUTH	-	-	-	-	50	-	-
TONGS	-	-	-	-	24	-	-
RAKES	-	-	30	-	120	-	-

ITEM	CURRITUCK	DARE	GATES	HERTFORD	HYDE	MARTIN	NEW HANOVER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	-	62	-	-	57	-	25
ON BOATS AND SHORE:							
REGULAR	32	362	-	-	213	-	38
CASUAL	17	24	17	17	39	4	207
TOTAL	49	448	17	17	309	4	270

(CONTINUED ON NEXT PAGE)

NORTH CAROLINA - OPERATING UNITS BY COUNTIES, 1960 - Continued

ITEM	CURRITUCK	DARE	GATES	HERTFORD	HYDE	MARTIN	NEW HANOVER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
VESSELS, MOTOR.	-	30	-	-	26	-	12
GROSS TONNAGE	-	397	-	-	638	-	193
BOATS:							
MOTOR	26	216	13	12	127	-	65
OTHER	9	45	-	4	10	4	149
ACCESSORY BOATS	-	1	-	-	-	-	-
GEAR:							
HAUL SEINES:							
COMMON.	6	8	-	-	8	-	4
LENGTH, YARDS . .	3,000	3,840	-	-	1,840	-	800
LONG.	-	13	-	-	1	-	-
LENGTH, YARDS . .	-	15,800	-	-	800	-	-
PURSE SEINES,							
OTHER	-	4	-	-	-	-	-
LENGTH, YARDS . .	-	4,200	-	-	-	-	-
OTTER TRAWLS:							
CRAB.	-	16	-	-	-	-	-
YARDS AT MOUTH. .	-	227	-	-	-	-	-
FISH.	-	20	-	-	4	-	-
YARDS AT MOUTH. .	-	354	-	-	92	-	-
SHRIMP.	-	59	-	-	70	-	27
YARDS AT MOUTH. .	-	980	-	-	1,213	-	459
POUND NETS.	22	123	12	5	-	-	-
HOOP AND FYKE NETS, FISH	100	-	-	4	-	-	-
POTS AND TRAPS:							
CRAB.	-	1,600	-	-	1,000	-	-
EEL	125	25	-	-	-	-	-
FISH.	-	-	40	10	-	-	90
TURTLE.	50	15	-	-	-	-	-
GILL NETS:							
ANCHOR.	90	55	10	18	10	-	50
SQUARE YARDS. . .	35,100	22,000	4,000	7,200	12,000	-	20,000
DRIFT:							
SHAD.	-	-	-	-	-	-	130
SQUARE YARDS. .	-	-	-	-	-	-	52,000
OTHER	-	-	-	4	-	4	-
SQUARE YARDS. .	-	-	-	1,600	-	1,600	-
RUNAROUND	-	35	-	-	10	-	50
SQUARE YARDS. . .	-	24,000	-	-	12,000	-	20,000
STAKE	-	42	-	-	12	-	-
SQUARE YARDS. . .	-	8,400	-	-	14,400	-	-
LINES:							
HAND.	-	-	-	-	-	-	4
HOOKS	-	-	-	-	-	-	8
LONG OR SET WITH HOOKS.	-	-	-	-	-	-	8
HOOKS	-	-	-	-	-	-	1,600
TROT WITH BAITS . .	-	102	-	-	6	-	8
BAITS	-	153,000	-	-	10,800	-	8,000
SPEARS.	-	8	-	-	-	-	-
DREDGES:							
CRAB.	-	28	-	-	-	-	-
YARDS AT MOUTH. .	-	42	-	-	-	-	-
OYSTER, COMMON. . .	-	28	-	-	57	-	-
YARDS AT MOUTH. .	-	40	-	-	78	-	-
RAKES	-	6	-	-	-	-	7

ITEM	ONSLOW	PAMLICO	PASQUOTANK	PENDER	PERQUIMANS	TYRRELL	WASHINGTON
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS.	36	216	-	-	-	-	-
ON BOATS AND SHORE:							
REGULAR	154	507	24	-	15	40	23
CASUAL.	110	71	80	100	42	102	19
TOTAL	300	794	104	100	57	142	42
VESSELS, MOTOR.	17	91	-	-	-	-	-
GROSS TONNAGE	193	2,114	-	-	-	-	-
BOATS:							
MOTOR	82	281	60	22	30	60	22
OTHER	50	32	8	61	7	24	12
ACCESSORY BOATS	-	1	-	-	-	-	-

(CONTINUED ON NEXT PAGE)

NORTH CAROLINA - OPERATING UNITS BY COUNTIES, 1960 - Continued

ITEM	ONSLOW	PAMLICO	PASQUOTANK	PENDER	PERQUIMANS	TYRRELL	WASHINGTON
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
GEAR:							
HAUL SEINES:							
COMMON	10	-	1	3	1	-	-
LENGTH, YARDS	2,500	-	200	450	200	-	-
LONG	-	7	-	-	-	-	-
LENGTH, YARDS	-	10,500	-	-	-	-	-
PURSE SEINES, OTHER	-	-	2	-	-	2	-
LENGTH, YARDS	-	-	800	-	-	800	-
OTTER TRAWLS:							
CRAB	-	81	-	-	-	-	-
YARDS AT MOUTH	-	1,226	-	-	-	-	-
FISH	-	23	-	-	-	-	-
YARDS AT MOUTH	-	628	-	-	-	-	-
SCALLOP, CALICO	-	1	-	-	-	-	-
YARDS AT MOUTH	-	9	-	-	-	-	-
SHRIMP	50	210	-	-	-	-	-
YARDS AT MOUTH	813	3,462	-	-	-	-	-
POUND NETS	-	11	20	-	12	5	38
HOOP AND FYKE NETS, FISH	-	-	-	-	-	40	-
POTS AND TRAPS:							
CRAB	1,200	2,000	-	300	-	-	-
EEL	-	-	50	-	40	80	20
FISH	-	-	600	-	600	300	400
GILL NETS:							
ANCHOR	22	-	192	-	125	240	124
SQUARE YARDS	24,400	-	76,800	-	50,000	72,000	49,600
DRIFT:							
SHAD	-	-	-	60	-	-	-
SQUARE YARDS	-	-	-	24,000	-	-	-
OTHER	8	-	-	-	-	-	-
SQUARE YARDS	9,360	-	-	-	-	-	-
RUNAROUND	30	24	-	2	-	-	-
SQUARE YARDS	27,600	28,800	-	800	-	-	-
STAKE	-	200	26	-	12	36	-
SQUARE YARDS	-	80,000	10,400	-	4,800	3,000	-
LINES:							
HAND	6	-	-	-	-	-	-
HOOKS	12	-	-	-	-	-	-
TROT WITH BAITS	-	100	-	-	-	-	-
BAITS	-	150,000	-	-	-	-	-
DIP NETS, COMMON	2	-	-	-	-	-	-
SPEARS	10	12	-	-	-	-	-
DREDGES:							
CLAM	-	1	-	-	-	-	-
YARDS AT MOUTH	-	1	-	-	-	-	-
OYSTER, COMMON	-	100	-	-	-	-	-
YARDS AT MOUTH	-	135	-	-	-	-	-
TONGS	40	25	-	18	-	-	-
RAKES	40	-	-	6	-	-	-

NORTH CAROLINA - CATCH BY COUNTIES, 1960

SPECIES	BEAUFORT		BERTIE		BRUNSWICK	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	13,800	$138	4,663,500	$46,635	-	-
BLUEFISH	1,200	170	-	-	300	$45
BUTTERFISH	1,200	96	-	-	-	-
CARP	1,400	42	6,800	204	-	-
CATFISH AND BULLHEADS	23,400	1,872	31,500	2,520	-	-
CROAKER	13,100	1,013	-	-	-	-
DRUM:						
BLACK	300	18	-	-	400	24
RED	300	30	-	-	-	-
EELS, COMMON	500	20	-	-	-	-
FLOUNDERS	35,400	3,510	-	-	20,300	1,774
HERRING, THREAD	-	-	-	-	9,890,500	102,861
HICKORY SHAD	27,900	1,395	500	25	-	-
KING WHITING OR "KINGFISH"	6,400	546	-	-	69,600	5,852

(CONTINUED ON NEXT PAGE)

NORTH CAROLINA - CATCH BY COUNTIES, 1960 - Continued

SPECIES	BEAUFORT		BERTIE		BRUNSWICK	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
MENHADEN	-	-	-	-	35,958,900	$373,973
MULLET	115,900	$9,272	-	-	420,100	33,608
PIGFISH	-	-	-	-	300	15
SEA BASS	-	-	-	-	1,200	120
SEA TROUT OR WEAKFISH:						
GRAY	4,400	229	-	-	900	90
SPOTTED	5,300	1,325	-	-	700	175
SHAD	79,300	19,825	11,100	$2,775	-	-
SHEEPSHEAD, SALT-WATER	-	-	-	-	200	16
SPANISH MACKEREL	-	-	-	-	300	45
SPOT	42,800	2,288	-	-	130,400	7,964
STRIPED BASS	34,300	5,488	8,800	1,408	-	-
STURGEON, COMMON	100	15	-	-	1,500	225
SUCKERS	200	8	-	-	-	-
WHITE PERCH	12,800	1,280	30,600	3,060	-	-
YELLOW PERCH	900	54	-	-	-	-
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	2,860,400	19,165
CRABS, BLUE, HARD	3,482,700	164,035	-	-	107,700	4,485
SHRIMP	251,500	75,697	-	-	798,800	197,017
CLAMS, HARD, PUBLIC	-	-	-	-	49,300	19,720
OYSTERS, MARKET, PUBLIC:						
SPRING	18,400	10,488	-	-	123,100	43,085
FALL	38,500	21,945	-	-	145,000	50,750
TOTAL	4,212,000	320,799	4,752,800	56,627	50,579,900	861,009

SPECIES	CAMDEN		CARTERET		CHOWAN	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	12,000	$120	15,500	$155	7,130,400	$71,304
BLUEFISH	-	-	485,400	59,580	-	-
BUTTERFISH	-	-	90,600	7,248	-	-
CABIO	-	-	6,400	384	-	-
CARP	1,800	54	-	-	27,300	819
CATFISH AND BULLHEADS	35,000	2,800	-	-	388,100	31,048
CROAKER	-	-	1,085,800	83,458	-	-
DRUM:						
BLACK	-	-	23,000	1,380	-	-
RED	-	-	30,200	2,546	-	-
EELS, COMMON	3,500	140	-	-	15,700	628
FLOUNDERS	500	50	431,800	50,470	700	84
GROUPERS	-	-	500	35	-	-
HARVESTFISH	-	-	2,100	147	-	-
HERRING, THREAD	-	-	2,160,100	22,465	-	-
HICKORY SHAD	2,500	125	5,400	270	42,100	2,105
KING MACKEREL	-	-	37,800	7,560	-	-
KING WHITING OR "KINGFISH"	-	-	644,800	57,776	-	-
MENHADEN	-	-	154,458,500	1,606,368	-	-
MULLET	4,000	320	1,100,100	88,008	4,400	352
PIGFISH	-	-	73,500	4,195	-	-
POMPANO	-	-	6,400	1,920	-	-
SAND PERCH	-	-	78,900	2,367	-	-
SCUP OR PORGY	-	-	6,300	504	-	-
SEA BASS	-	-	17,500	1,750	-	-
SEA TROUT OR WEAKFISH:						
GRAY	-	-	1,552,600	87,008	-	-
SPOTTED	-	-	70,800	17,700	-	-
SHAD	4,500	1,125	20,500	5,125	44,300	11,075
SHARKS, UNCLASSIFIED	-	-	2,200	110	-	-
SHEEPSHEAD, SALT-WATER	-	-	6,600	528	-	-
SNAPPER, RED	-	-	300	84	-	-
SPADEFISH	-	-	1,000	80	-	-
SPANISH MACKEREL	-	-	104,300	15,645	-	-
SPOT	-	-	1,491,900	105,942	-	-
STRIPED BASS	15,000	2,400	2,500	400	72,500	11,600
STURGEON, COMMON	-	-	16,300	2,445	300	45
SWELLFISH	-	-	300,300	9,009	-	-
WHITE PERCH	1,600	160	5,800	580	62,200	6,220
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	5,536,400	40,075	-	-
CRABS, BLUE:						
HARD	-	-	3,052,900	145,795	-	-
SOFT AND PEELER	-	-	79,700	27,895	-	-
SHRIMP	-	-	2,864,100	737,784	-	-
CLAMS, HARD, PUBLIC	-	-	343,000	137,200	-	-

(CONTINUED ON NEXT PAGE)

NORTH CAROLINA - CATCH BY COUNTIES, 1960 - Continued

SPECIES	CAMDEN		CARTERET		CHOWAN	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
OYSTERS, MARKET:						
PUBLIC:						
SPRING	-	-	48,800	$17,080	-	-
FALL	-	-	81,000	28,350	-	-
PRIVATE:						
SPRING	-	-	7,000	2,450	-	-
FALL	-	-	11,000	3,850	-	-
SCALLOPS, BAY	-	-	170,100	68,040	-	-
SQUID	-	-	1,400	84	-	-
TOTAL	80,400	$7,294	176,531,100	3,451,845	7,788,000	$135,280

SPECIES	CRAVEN		CURRITUCK		DARE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	1,000	$10	12,000	$120	218,100	$2,181
BLUEFISH	-	-	-	-	111,500	15,920
BUTTERFISH	-	-	-	-	104,000	8,320
CABIO	-	-	-	-	5,200	312
CARP	-	-	103,700	3,111	5,700	171
CATFISH AND BULLHEADS	-	-	55,200	4,416	50,300	4,024
CROAKER	-	-	-	-	499,600	38,236
DRUM:						
BLACK	-	-	-	-	17,800	1,068
RED	500	40	-	-	44,300	3,544
EELS, COMMON	-	-	10,600	424	600	24
FLOUNDERS	13,700	1,740	-	-	302,200	33,511
HARVESTFISH	-	-	-	-	49,800	3,226
HICKORY SHAD	18,200	910	-	-	26,600	1,330
KING MACKEREL	-	-	-	-	9,700	1,940
KING WHITING OR "KINGFISH"	-	-	-	-	88,900	8,667
MENHADEN	-	-	-	-	8,000	80
MULLET	80,400	6,432	2,500	200	187,700	15,016
PIGFISH	-	-	-	-	14,200	852
POMPANO	-	-	-	-	1,700	510
SCUP OR PORGY	-	-	-	-	2,100	168
SEA BASS	-	-	-	-	2,300	230
SEA TROUT OR WEAKFISH:						
GRAY	-	-	-	-	118,900	7,414
SPOTTED	400	100	-	-	55,800	13,950
SHAD	38,700	9,675	800	200	175,500	43,875
SHEEPSHEAD, SALT-WATER	-	-	-	-	4,300	344
SPADEFISH	-	-	-	-	2,800	224
SPANISH MACKEREL	-	-	-	-	13,800	2,070
SPOT	-	-	-	-	578,300	37,532
STRIPED BASS	2,100	336	31,900	5,104	356,200	56,992
STURGEON, COMMON	-	-	-	-	3,300	495
SWELLFISH	-	-	-	-	28,000	840
WHITE PERCH	-	-	42,700	4,270	109,400	10,940
YELLOW PERCH	-	-	12,600	756	800	48
CRABS, BLUE:						
HARD	1,500	75	-	-	3,522,300	174,642
SOFT AND PEELER	-	-	-	-	1,400	490
SHRIMP	-	-	-	-	132,700	38,703
CLAMS, HARD, PUBLIC	-	-	-	-	1,500	600
OYSTERS, MARKET, PUBLIC:						
SPRING	-	-	-	-	74,300	42,351
FALL	-	-	-	-	115,000	65,550
SQUID	-	-	-	-	5,100	306
TURTLES, SNAPPER	-	-	7,500	1,350	800	144
TOTAL	156,500	19,318	279,500	19,951	7,050,500	636,840

SPECIES	GATES		HERTFORD		HYDE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	50,000	$500	134,900	$1,349	25,400	$254
BLUEFISH	-	-	-	-	900	135
CARP	-	-	-	-	31,600	2,217
CATFISH AND BULLHEADS	4,500	360	200	16	11,600	1,648
CROAKER	-	-	-	-	1,900	114
DRUM:						
BLACK	-	-	-	-	100	6
RED	-	-	-	-	100	8
EELS, COMMON	-	-	600	24	-	-
FLOUNDERS	-	-	-	-	10,400	937
HICKORY SHAD	-	-	1,900	95	400	20
KING WHITING OR "KINGFISH"	-	-	-	-	6,500	509

(CONTINUED ON NEXT PAGE)

NORTH CAROLINA - CATCH BY COUNTIES, 1960 - Continued

SPECIES	GATES		HERTFORD		HYDE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
MULLET	-	-	100	$8	24,700	$1,976
SEA TROUT OR WEAKFISH:						
GRAY	-	-	-	-	3,700	247
SPOTTED	-	-	-	-	7,500	1,875
SHAD	1,000	$250	5,400	1,350	3,200	800
SPANISH MACKEREL	-	-	-	-	100	15
SPOT	-	-	-	-	18,000	1,250
WHITE PERCH	1,500	150	200	20	8,000	800
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	682,400	4,572
CRABS, BLUE, HARD	-	-	-	-	345,800	16,915
SHRIMP	-	-	-	-	422,700	118,802
OYSTERS, MARKET, PUBLIC:						
SPRING	-	-	-	-	74,200	42,294
FALL	-	-	-	-	148,600	84,702
TURTLES, SNAPPER	-	-	-	-	5,200	936
TOTAL	57,000	1,260	143,300	2,862	1,833,000	281,032

SPECIES	MARTIN		NEW HANOVER		ONSLOW	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	200	$2	-	-	-	-
CARP	-	-	300	$9	-	-
CATFISH AND BULLHEADS	-	-	50,700	4,056	-	-
CROAKER	-	-	-	-	600	$60
DRUM:						
BLACK	-	-	2,200	132	300	18
RED	-	-	700	56	500	40
FLOUNDERS	-	-	1,100	88	9,600	1,368
KING MACKEREL	-	-	200	40	-	-
KING WHITING OR "KINGFISH"	-	-	-	-	2,800	286
MULLET	-	-	206,700	16,536	908,700	72,696
SEA BASS	-	-	48,100	4,810	32,000	3,200
SEA TROUT OR WEAKFISH:						
GRAY	-	-	-	-	100	8
SPOTTED	-	-	1,300	325	11,900	2,975
SHAD	-	-	25,500	6,375	-	-
SPOT	-	-	209,700	14,376	35,300	2,324
STRIPED BASS	600	96	600	96	-	-
WHITE PERCH	400	40	-	-	-	-
CRABS, BLUE, HARD	-	-	97,500	4,875	233,500	11,675
SHRIMP	-	-	109,900	26,932	76,300	18,064
CLAMS, HARD, PUBLIC	-	-	4,100	1,640	18,300	7,320
OYSTERS, MARKET:						
PUBLIC:						
SPRING	-	-	17,200	6,020	26,000	9,100
FALL	-	-	28,000	9,800	35,000	12,250
PRIVATE:						
SPRING	-	-	-	-	10,000	3,500
FALL	-	-	12,000	4,200	21,500	7,525
SCALLOPS, BAY	-	-	-	-	100	40
TOTAL	1,200	138	815,800	100,366	1,422,500	152,449

SPECIES	PAMLICO		PASQUOTANK		PENDER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	1,500	$15	26,600	$266	100	$1
BLUEFISH	15,300	2,295	-	-	-	-
BUTTERFISH	13,100	1,048	-	-	-	-
CARP	-	-	13,600	408	100	3
CATFISH AND BULLHEADS	1,200	96	38,500	3,080	400	32
CROAKER	491,800	35,148	-	-	-	-
DRUM:						
BLACK	9,100	546	-	-	-	-
RED	2,700	216	-	-	-	-
EELS, COMMON	-	-	18,100	724	-	-
FLOUNDERS	400,900	40,948	2,200	254	-	-
HICKORY SHAD	34,200	1,710	5,900	295	-	-
KING MACKEREL	200	40	-	-	-	-
KING WHITING OR "KINGFISH"	108,500	10,390	-	-	-	-
MENHADEN	5,900	59	-	-	-	-

(CONTINUED ON NEXT PAGE)

NORTH CAROLINA - CATCH BY COUNTIES, 1960 - Continued

SPECIES	PAMLICO		PASQUOTANK		PENDER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
MULLET	124,600	$9,968	23,000	$1,840	-	-
SAND PERCH	200	6	-	-	-	-
SCUP OR PORGY	130,200	10,416	-	-	-	-
SEA BASS	25,200	2,520	-	-	-	-
SEA TROUT OR WEAKFISH:						
GRAY	559,200	29,262	500	40	-	-
SPOTTED	17,500	4,375	-	-	-	-
SHAD	62,100	15,525	9,500	2,375	5,000	$1,250
SHARKS, UNCLASSIFIED	100	5	-	-	-	-
SHEEPSHEAD, SALT-WATER	100	8	-	-	-	-
SPOT	87,100	6,328	-	-	17,000	1,140
STRIPED BASS	800	128	93,500	14,960	-	-
STURGEON, COMMON	1,800	270	-	-	-	-
SWELLFISH	19,800	594	-	-	-	-
WHITE PERCH	600	60	4,500	450	-	-
YELLOW PERCH	-	-	900	54	-	-
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	344,400	3,133	-	-	-	-
CRABS, BLUE:						
HARD	4,026,600	190,580	-	-	66,200	3,310
SOFT AND PEELER	9,800	3,430	-	-	-	-
SHRIMP	1,332,300	393,804	-	-	-	-
CLAMS, HARD, PUBLIC	1,000	400	-	-	14,300	5,720
OYSTERS, MARKET:						
PUBLIC:						
SPRING	62,600	35,682	-	-	-	-
FALL	81,000	46,170	-	-	-	-
PRIVATE:						
SPRING	-	-	-	-	12,000	4,200
FALL	-	-	-	-	26,000	9,100
SCALLOPS, BAY	10,200	4,080	-	-	-	-
SQUID	7,100	426	-	-	-	-
TOTAL	7,988,700	849,681	236,800	24,746	141,100	24,756

SPECIES	PERQUIMANS		TYRRELL		WASHINGTON	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	100,000	$1,000	51,200	$512	358,800	$3,588
CARP	15,000	450	4,100	123	1,500	45
CATFISH AND BULLHEADS	50,000	4,000	172,000	13,760	145,300	11,624
EELS, COMMON	5,000	200	10,300	412	1,000	40
FLOUNDERS	500	60	6,700	760	-	-
HICKORY SHAD	6,500	325	8,400	420	200	10
MULLET	3,500	280	29,600	2,368	-	-
SHAD	10,000	2,500	9,300	2,325	1,000	250
STRIPED BASS	25,000	4,000	130,800	20,928	7,700	1,232
WHITE PERCH	10,000	1,000	11,200	1,120	2,100	210
YELLOW PERCH	-	-	1,400	84	-	-
TOTAL	225,500	13,815	435,000	42,812	517,600	16,999

SHAD

SOUTH CAROLINA

OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	OTTER TRAWLS		POTS AND TRAPS	
		CRAB	SHRIMP	CRAB	FISH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	41	555	-	-
ON BOATS AND SHORE:					
REGULAR	-	20	264	112	45
CASUAL	420	-	-	-	-
TOTAL	420	61	819	112	45
VESSELS, MOTOR	-	20	273	-	-
GROSS TONNAGE	-	336	7,368	-	-
BOATS:					
MOTOR	-	10	167	112	45
OTHER	14	-	-	-	-
GEAR:					
NUMBER	14	33	581	7,050	2,925
LENGTH, YARDS	3,500	-	-	-	-
YARDS AT MOUTH	-	593	9,941	-	-

ITEM	GILL NETS			LINES		
	ANCHOR	DRIFT, SHAD	STAKE	HAND	LONG OR SET WITH HOOKS	TROT WITH BAITS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN,						
ON BOATS AND SHORE:						
REGULAR	14	-	-	20	10	163
CASUAL	110	101	42	30	22	-
TOTAL	124	101	42	50	32	163
BOATS:						
MOTOR	124	101	42	7	16	101
OTHER	-	-	-	-	-	35
GEAR:						
NUMBER	267	101	42	50	16	146
SQUARE YARDS	35,174	13,636	7,709	-	-	-
HOOKS OR BAITS	-	-	-	100	4,000	102,000

ITEM	CAST NETS	SPEARS	GRABS	RAKES	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	-	-	-	-	555
ON BOATS AND SHORE:						
REGULAR	-	20	198	10	115	846
CASUAL	41	5	20	24	24	773
TOTAL	41	25	218	34	139	2,174
VESSELS, MOTOR	-	-	-	-	-	273
GROSS TONNAGE	-	-	-	-	-	7,368
BOATS:						
MOTOR	37	15	164	29	99	946
OTHER	4	-	54	5	40	137
GEAR, NUMBER	41	25	218	34	-	-

SOUTH CAROLINA - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		OTTER TRAWLS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	200	$24	-	-	-	-
CATFISH AND BULLHEADS	-	-	-	-	256,900	$23,121
CROAKER	-	-	20,500	$1,005	-	-
DRUM, RED	4,200	1,050	-	-	-	-
FLOUNDERS	-	-	54,500	10,900	-	-
KING WHITING OR "KINGFISH"	150,200	15,020	68,600	3,983	-	-
MULLET	2,493,900	149,634	-	-	-	-
POMPANO	9,500	2,850	100	20	-	-
SEA TROUT OR WEAKFISH:						
GRAY	-	-	12,400	835	-	-
SPOTTED	28,300	7,075	-	-	-	-
SHARKS, UNCLASSIFIED	6,600	660	800	80	-	-
SPANISH MACKEREL	6,000	900	-	-	-	-
SPOT	2,699,100	107,964	21,500	860	-	-
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	60,100	601	227,900	2,279	-	-
CRABS, BLUE, HARD	-	-	1,309,700	74,775	3,682,000	294,560
SHRIMP	-	-	7,905,600	2,134,552	-	-
TOTAL	5,458,100	285,778	9,621,600	2,229,289	3,938,900	317,681

SPECIES	GILL NETS					
	ANCHOR		DRIFT		STAKE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HICKORY SHAD	1,500	$150	300	$30	800	$80
SHAD	28,700	9,184	39,200	12,544	38,100	12,192
STURGEON, COMMON	-	-	-	-	41,900	7,123
TOTAL	30,200	9,334	39,500	12,574	80,800	19,395

SPECIES	LINES						CAST NETS	
	HAND		LONG OR SET WITH HOOKS		TROT WITH BAITS			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH AND BULLHEADS	-	-	26,600	$2,394	-	-	-	-
DRUM, BLACK	400	$60	-	-	-	-	-	-
GROUPERS	6,900	828	-	-	-	-	-	-
KING MACKEREL	1,300	260	-	-	-	-	-	-
MULLET	-	-	-	-	-	-	1,600	$80
SEA BASS	29,200	4,840	-	-	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY	600	60	-	-	-	-	-	-
SHARKS, UNCLASSIFIED	11,200	1,120	-	-	-	-	-	-
SNAPPER, RED	2,100	525	-	-	-	-	-	-
SPANISH MACKEREL	100	20	-	-	-	-	-	-
CRABS, BLUE, HARD	-	-	-	-	2,129,100	$164,787	-	-
SHRIMP	-	-	-	-	-	-	124,900	32,085
TOTAL	51,800	7,713	26,600	2,394	2,129,100	164,787	126,500	32,165

SPECIES	SPEARS		GRABS		RAKES		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SEA TROUT OR WEAKFISH, SPOTTED	24,700	$5,860	-	-	-	-	-	-
CLAMS, HARD, PUBLIC	-	-	-	-	97,100	$32,043	-	-
OYSTERS, MARKET, PRIVATE:								
SPRING	-	-	815,500	$285,425	-	-	562,900	$197,015
FALL	-	-	755,600	264,460	-	-	493,500	172,725
TOTAL	24,700	5,860	1,571,100	549,885	97,100	32,043	1,056,400	369,740

SOUTH CAROLINA - OPERATING UNITS BY COUNTIES, 1960

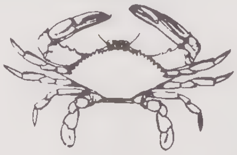
ITEM	BEAUFORT	BERKELEY	CHARLESTON	COLLETON
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	166	-	275	-
ON BOATS AND SHORE:				
REGULAR	433	45	274	-
CASUAL	31	10	68	19
TOTAL	630	55	617	19
VESSELS, MOTOR	82	-	135	-
GROSS TONNAGE	1,937	-	3,579	-
BOATS:				
MOTOR	324	55	283	19
OTHER	83	-	25	-
GEAR:				
OTTER TRAWLS:				
CRAB	25	-	8	-
YARDS AT MOUTH	464	-	129	-
SHRIMP	183	-	248	-
YARDS AT MOUTH	3,049	-	4,385	-
POTS AND TRAPS:				
CRAB	3,720	-	3,330	-
FISH	-	2,925	-	-
GILL NETS:				
ANCHOR	-	10	48	-
SQUARE YARDS	-	1,300	6,570	-
DRIFT, SHAD	2	5	20	14
SQUARE YARDS	196	650	2,600	2,120
STAKE	4	-	10	-
SQUARE YARDS	395	-	1,800	-
LINES:				
HAND	-	-	20	-
HOOKS	-	-	40	-
LONG OR SET WITH HOOKS	-	-	10	-
HOOKS	-	-	2,500	-
TROT WITH BAITS	111	-	35	-
BAITS	83,250	-	18,750	-
CAST NETS	10	-	14	5
SPEARS	5	-	20	-
TONGS	98	-	95	-
RAKES	10	-	14	-

ITEM	DORCHESTER	GEORGETOWN	HORRY
	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS	-	101	13
ON BOATS AND SHORE:			
REGULAR	-	75	19
CASUAL	15	126	504
TOTAL	15	302	536
VESSELS, MOTOR	-	50	6
GROSS TONNAGE	-	1,723	129
BOATS:			
MOTOR	15	161	89
OTHER	-	15	14
GEAR:			
HAUL SEINES, COMMON	-	-	14
LENGTH, YARDS	-	-	3,500
OTTER TRAWLS, SHRIMP	-	132	18
YARDS AT MOUTH	-	2,225	282
GILL NETS:			
ANCHOR	-	90	119
SQUARE YARDS	-	11,554	15,750
DRIFT, SHAD	15	30	15
SQUARE YARDS	2,220	3,900	1,950
STAKE	-	21	7
SQUARE YARDS	-	4,464	1,050
LINES:			
HAND	-	-	30
HOOKS	-	-	60
LONG OR SET WITH HOOKS	-	-	6
HOOKS	-	-	1,500
CAST NETS	-	6	6
TONGS	-	25	-
RAKES	-	10	-

SOUTH CAROLINA - CATCH BY COUNTIES, 1960

SPECIES	BEAUFORT		BERKELEY		CHARLESTON	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH AND BULLHEADS	-	-	256,900	$23,121	24,400	$2,196
CROAKER	2,000	$80	-	-	8,400	420
FLOUNDERS	14,800	2,960	-	-	28,400	5,680
HICKORY SHAD	300	30	-	-	1,100	110
KING WHITING OR "KINGFISH"	15,300	765	-	-	51,300	3,078
POMPANO	-	-	-	-	100	20
SEA BASS	-	-	-	-	16,700	3,340
SEA TROUT OR WEAKFISH:						
GRAY	4,300	430	-	-	8,100	405
SPOTTED	6,300	1,260	-	-	18,400	4,600
SHAD	5,300	1,696	5,700	1,824	20,000	6,400
SHARKS, UNCLASSIFIED	800	80	-	-	11,200	1,120
SPANISH MACKEREL	-	-	-	-	100	20
SPOT	6,800	272	-	-	14,700	588
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	76,800	768	-	-	151,100	1,511
CRABS, BLUE, HARD	4,928,700	373,485	-	-	2,192,100	160,637
SHRIMP	2,567,300	691,941	-	-	4,962,300	1,339,913
CLAMS, HARD, PUBLIC	10,800	3,564	-	-	46,800	15,444
OYSTERS, MARKET, PRIVATE:						
SPRING	711,600	249,060	-	-	570,200	199,570
FALL	630,200	220,570	-	-	526,100	184,135
TOTAL	8,981,300	1,546,961	262,600	24,945	8,651,500	1,929,187

SPECIES	COLLETON		DORCHESTER		GEORGETOWN		HORRY	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	-	-	-	-	-	-	200	$24
CATFISH AND BULLHEADS	-	-	-	-	-	-	2,200	198
CROAKER	-	-	-	-	10,100	$505	-	-
DRUM:								
BLACK	-	-	-	-	-	-	400	60
RED	-	-	-	-	-	-	4,200	1,050
FLOUNDERS	-	-	-	-	11,300	2,260	-	-
GROUPERS	-	-	-	-	-	-	6,900	828
HICKORY SHAD	-	-	-	-	-	-	1,200	120
KING MACKEREL	-	-	-	-	-	-	1,300	260
KING WHITING OR "KINGFISH"	-	-	-	-	2,000	140	150,200	15,020
MULLET	1,600	$80	-	-	-	-	2,493,900	149,634
POMPANO	-	-	-	-	-	-	9,500	2,850
SEA BASS	-	-	-	-	-	-	12,500	1,500
SEA TROUT OR WEAKFISH:								
GRAY	-	-	-	-	-	-	600	60
SPOTTED	-	-	-	-	-	-	28,300	7,075
SHAD	3,600	1,152	3,600	$1,152	24,400	7,808	43,400	13,888
SHARKS, UNCLASSIFIED	-	-	-	-	-	-	6,600	660
SNAPPER, RED	-	-	-	-	-	-	2,100	525
SPANISH MACKEREL	-	-	-	-	-	-	6,000	900
SPOT	-	-	-	-	-	-	2,699,100	107,964
STURGEON, COMMON	-	-	-	-	41,900	7,123	-	-
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	-	-	60,100	601
SHRIMP	-	-	-	-	386,300	104,301	114,600	30,482
CLAMS, HARD, PUBLIC	-	-	-	-	39,500	13,035	-	-
OYSTERS, MARKET, PRIVATE:								
SPRING	-	-	-	-	77,000	26,950	19,600	6,860
FALL	-	-	-	-	75,300	26,355	17,500	6,125
TOTAL	5,200	1,232	3,600	1,152	667,800	188,477	5,680,400	346,684



BLUE CRAB

SOUTH ATLANTIC FISHERIES
GEORGIA

OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	OTTER TRAWLS		POTS AND TRAPS	
		CRAB	SHRIMP	CRAB	FISH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	-	52	621	-	-
ON BOATS AND SHORE:					
REGULAR	5	32	113	176	25
CASUAL.	11	-	219	9	66
TOTAL	16	84	953	185	91
VESSELS, MOTOR.	-	26	307	-	-
GROSS TONNAGE	-	657	8,433	-	-
BOATS, MOTOR.	6	16	195	149	76
GEAR:					
NUMBER.	6	48	631	9,250	547
LENGTH, YARDS	925	-	-	-	-
YARDS AT MOUTH.	-	827	8,969	-	-

ITEM	GILL NETS			LINES		
	ANCHOR	DRIFT, SHAD	STAKE	HAND	LONG OR SET WITH HOOKS	TROT WITH BAITS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	-	-	-	2	-	-
ON BOATS AND SHORE:						
REGULAR	25	151	7	3	32	4
CASUAL.	48	353	148	67	103	-
TOTAL	73	504	155	72	135	4
VESSELS, MOTOR.	-	-	-	1	-	-
GROSS TONNAGE	-	-	-	29	-	-
BOATS:						
MOTOR	48	394	116	40	120	4
OTHER	-	12	2	-	-	-
GEAR:						
NUMBER.	58	416	154	81	632	7
SQUARE YARDS.	36,750	203,300	26,345	-	-	-
HOOKS OR BAITS.	-	-	-	190	30,700	3,375

ITEM	DIP NETS, DROP	CAST NETS	GRABS	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	-	-	-	-	623
ON BOATS AND SHORE:					
REGULAR	45	-	35	35	512
CASUAL.	-	6	7	7	791
TOTAL	45	6	42	42	1,926
VESSELS, MOTOR.	-	-	-	-	308
GROSS TONNAGE	-	-	-	-	8,462
BOATS:					
MOTOR	36	6	16	16	954
OTHER	-	-	28	28	42
GEAR, NUMBER.	2,700	6	42	-	-

GEORGIA - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		OTTER TRAWLS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	-	-	1,900	$114
CATFISH AND BULLHEADS	-	-	-	-	60,200	8,428
CROAKER	-	-	300	$27	-	-
DRUM:						
BLACK	-	-	3,400	340	-	-
RED	-	-	400	60	-	-
EELS, COMMON	-	-	-	-	800	64
FLOUNDERS	1,300	$260	37,900	3,790	-	-
KING WHITING OR "KINGFISH"	-	-	281,700	22,536	-	-
SEA BASS	-	-	500	50	-	-
SEA TROUT OR WEAKFISH, SPOTTED	300	75	-	-	-	-
SNAPPER, RED	-	-	200	50	-	-
SPOT	-	-	400	24	-	-
STURGEON, COMMON	-	-	1,000	200	-	-
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	535,500	10,382	-	-
CRABS, BLUE, HARD	-	-	5,107,400	140,570	10,111,700	355,102
SHRIMP	-	-	10,396,500	2,573,667	-	-
TOTAL	1,600	335	16,365,200	2,751,696	10,174,600	363,708

SPECIES	GILL NETS					
	ANCHOR		DRIFT		STAKE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	3,500	$210	-	-
CARP	-	-	200	14	-	-
HICKORY SHAD	-	-	3,800	304	-	-
SHAD	71,200	$23,496	339,900	112,227	122,300	$40,359
STURGEON, COMMON	2,300	460	4,000	800	-	-
TOTAL	73,500	23,956	351,400	113,555	122,300	40,359

SPECIES	LINES					
	HAND		LONG OR SET WITH HOOKS		TROT WITH BAITS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
AMBERJACK	600	$210	-	-	-	-
CATFISH AND BULLHEADS	-	-	80,400	$11,256	-	-
GROUPERS	1,600	560	-	-	-	-
KING MACKEREL	1,000	120	-	-	-	-
SEA TROUT OR WEAKFISH, SPOTTED	700	175	-	-	-	-
SNAPPER, RED	7,600	2,660	-	-	-	-
STRIPED BASS	1,000	200	-	-	-	-
TUNA, LITTLE	900	315	-	-	-	-
CRABS, BLUE, HARD	-	-	-	-	174,200	$6,175
TOTAL	13,400	4,240	80,400	11,256	174,200	6,175

SPECIES	DIP NETS		CAST NETS		GRABS		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
MULLET	-	-	900	$90	-	-	-	-
CRABS, BLUE, HARD	372,700	$14,908	-	-	-	-	-	-
SHRIMP	-	-	6,400	1,616	-	-	-	-
OYSTERS, MARKET, PRIVATE:								
SPRING	-	-	-	-	99,400	$24,850	99,300	$24,825
FALL	-	-	-	-	16,400	4,592	16,300	4,564
TOTAL	372,700	14,908	7,300	1,706	115,800	29,442	115,600	29,389

GEORGIA - OPERATING UNITS BY COUNTIES, 1960

ITEM	BRANTLEY	BRYAN	BULLOCK	CAMDEN	CHARLTON	CHATHAM	EFFINGHAM
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	-	-	-	50	-	183	-
ON BOATS AND SHORE:							
REGULAR	-	3	-	36	-	158	-
CASUAL	19	36	17	134	17	178	28
TOTAL	19	39	17	220	17	519	28

(CONTINUED ON NEXT PAGE)

GEORGIA - OPERATING UNITS BY COUNTIES, 1960 - Continued

ITEM	BRANTLY	BRYAN	BULLOCK	CAMDEN	CHARLTON	CHATHAM	EFFINGHAM
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
VESSELS, MOTOR	-	-	-	25	-	91	-
GROSS TONNAGE	-	-	-	744	-	2,600	-
BOATS:							
MOTOR	15	29	14	125	14	226	17
OTHER	-	-	-	-	-	24	4
GEAR:							
HAUL SEINES, COMMON	-	-	-	2	-	1	-
LENGTH, YARDS	-	-	-	300	-	175	-
OTTER TRAWLS:							
CRAB	-	-	-	-	-	7	-
YARDS AT MOUTH	-	-	-	-	-	132	-
SHRIMP	-	3	-	92	-	220	-
YARDS AT MOUTH	-	63	-	1,059	-	2,776	-
POTS:							
CRAB	-	180	-	960	-	1,430	-
FISH	26	28	30	48	24	68	13
GILL NETS:							
ANCHOR	-	9	-	-	-	10	-
SQUARE YARDS	-	6,525	-	-	-	7,500	-
DRIFT, SHAD	-	19	7	27	9	60	12
SQUARE YARDS	-	11,400	1,050	7,425	2,475	36,000	2,100
STAKE	18	-	16	24	7	-	12
SQUARE YARDS	1,925	-	2,020	6,000	1,750	-	1,500
LINES:							
HAND	-	-	-	12	-	64	-
HOOKS	-	-	-	24	-	154	-
LONG OR SET WITH HOOKS	47	28	33	26	28	32	34
HOOKS	2,350	1,400	1,650	1,300	1,400	1,600	1,700
TROT WITH BAITS	-	-	-	-	-	5	-
BAITS	-	-	-	-	-	1,875	-
DIP NETS, DROP	-	-	-	-	-	2,700	-
CAST NETS	-	1	-	-	-	2	-
TONGS	-	-	-	-	-	22	-

ITEM	GLYNN	LIBERTY	LONG	MCINTOSH	SCREVEN	TATTNALL	WAYNE
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	177	33	-	180	-	-	-
ON BOATS AND SHORE:							
REGULAR	105	52	-	156	-	-	2
CASUAL	115	9	33	118	13	20	54
TOTAL	397	94	33	454	13	20	56
VESSELS, MOTOR	88	16	-	88	-	-	-
GROSS TONNAGE	2,278	505	-	2,335	-	-	-
BOATS:							
MOTOR	139	51	25	223	10	17	49
OTHER	-	-	-	14	-	-	-
GEAR:							
HAUL SEINES, COMMON	1	-	-	2	-	-	-
LENGTH, YARDS	150	-	-	300	-	-	-
OTTER TRAWLS:							
CRAB	22	-	-	19	-	-	-
YARDS AT MOUTH	337	-	-	358	-	-	-
SHRIMP	140	38	-	138	-	-	-
YARDS AT MOUTH	2,415	474	-	2,182	-	-	-
POTS:							
CRAB	1,600	2,220	-	2,860	-	-	-
FISH	48	-	30	160	16	28	28
GILL NETS:							
ANCHOR	30	-	-	9	-	-	-
SQUARE YARDS	15,750	-	-	6,975	-	-	-
DRIFT, SHAD	74	-	19	132	-	8	49
SQUARE YARDS	38,850	-	4,750	85,800	-	1,200	12,250
STAKE	-	-	12	12	20	24	9
SQUARE YARDS	-	-	2,750	3,000	1,900	3,250	2,250
LINES:							
HAND	5	-	-	-	-	-	-
HOOKS	12	-	-	-	-	-	-
LONG OR SET WITH HOOKS	30	34	53	132	23	34	98
HOOKS	1,500	1,700	2,650	5,700	1,150	1,700	4,900
TROT WITH BAITS	-	-	-	2	-	-	-
BAITS	-	-	-	1,500	-	-	-
CAST NETS	1	-	-	2	-	-	-
TONGS	-	-	-	20	-	-	-

GEORGIA - CATCH BY COUNTIES, 1960

SPECIES	BRANTLEY		BRYAN		BULLOCK	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH AND BULLHEADS	8,000	$1,120	2,800	$392	4,100	$574
SHAD	5,700	1,881	22,900	7,557	11,100	3,663
STURGEON, COMMON	-	-	900	180	-	-
CRABS, BLUE, HARD	-	-	312,300	10,930	-	-
SHRIMP	-	-	5,700	1,482	-	-
TOTAL	13,700	3,001	344,600	20,541	15,200	4,237

SPECIES	CAMDEN		CHARLTON		CHATHAM	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CARP	-	-	-	-	200	$14
CATFISH AND BULLHEADS	4,600	$644	9,400	$1,316	7,200	1,008
CROAKER	-	-	-	-	300	27
DRUM:						
BLACK	3,400	340	-	-	-	-
RED	400	60	-	-	-	-
FLOUNDERS	3,500	350	-	-	2,300	230
HICKORY SHAD	-	-	-	-	100	8
KING MACKEREL	500	60	-	-	500	60
KING WHITING OR "KINGFISH"	25,000	2,000	-	-	59,900	4,792
MULLET	-	-	-	-	500	50
SEA BASS	400	40	-	-	100	10
SEA TROUT OR WEAKFISH, SPOTTED	300	75	-	-	500	125
SHAD	33,400	11,022	8,000	2,640	97,400	32,142
SNAPPER, RED	200	50	-	-	-	-
SPOT	400	24	-	-	-	-
STRIPED BASS	-	-	-	-	1,000	200
STURGEON, COMMON	-	-	-	-	3,500	700
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	17,000	340	-	-	38,900	778
CRABS, BLUE, HARD	2,261,500	71,491	-	-	1,023,000	35,673
SHRIMP	1,051,900	246,511	-	-	3,127,600	813,128
OYSTERS, MARKET, PRIVATE:						
SPRING	-	-	-	-	65,300	16,325
FALL	-	-	-	-	15,500	4,340
TOTAL	3,402,500	333,007	17,400	3,956	4,443,800	909,610

SPECIES	EFFINGHAM		GLYNN		LIBERTY		LONG	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
AMBERJACK	-	-	600	$210	-	-	-	-
CATFISH AND BULLHEADS	3,400	$476	14,900	2,086	4,200	$588	11,200	$1,568
FLOUNDERS	-	-	10,300	1,090	3,100	310	-	-
GROUPERS	-	-	1,600	560	-	-	-	-
HICKORY SHAD	-	-	1,300	104	-	-	-	-
KING WHITING OR "KINGFISH"	-	-	94,000	7,520	13,000	1,040	-	-
MULLET	-	-	300	30	-	-	-	-
SEA TROUT OR WEAKFISH, SPOTTED	-	-	200	50	-	-	-	-
SHAD	7,400	2,442	122,400	40,452	-	-	36,300	11,979
SNAPPER, RED	-	-	7,600	2,660	-	-	-	-
STURGEON, COMMON	-	-	100	20	-	-	500	100
TUNA, LITTLE	-	-	900	315	-	-	-	-
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	65,700	986	108,500	2,170	-	-
CRABS, BLUE, HARD	-	-	2,752,100	86,662	1,509,100	51,270	-	-
SHRIMP	-	-	2,354,100	612,066	695,800	180,934	-	-
TOTAL	10,800	2,918	5,426,100	754,811	2,333,700	236,312	48,000	13,647

SPECIES	MCINTOSH		SCREVEN		TATTNALL		WAYNE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	-	-	-	-	5,400	$324
CATFISH AND BULLHEADS	42,800	$5,992	4,200	$588	9,000	$1,260	14,800	2,072
EELS, COMMON	800	64	-	-	-	-	-	-
FLOUNDERS	20,000	2,070	-	-	-	-	-	-
HICKORY SHAD	2,400	192	-	-	-	-	-	-
KING WHITING OR "KINGFISH"	89,800	7,184	-	-	-	-	-	-
MULLET	100	10	-	-	-	-	-	-
SHAD	139,100	45,903	4,700	1,551	16,500	5,445	28,500	9,405
STURGEON, COMMON	2,300	460	-	-	-	-	-	-
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	305,400	6,108	-	-	-	-	-	-
CRABS, BLUE, HARD	7,908,000	260,729	-	-	-	-	-	-
SHRIMP	3,167,800	721,162	-	-	-	-	-	-
OYSTERS, MARKET, PRIVATE:								
SPRING	133,400	33,350	-	-	-	-	-	-
FALL	17,200	4,816	-	-	-	-	-	-
TOTAL	11,829,100	1,088,040	8,900	2,139	25,500	6,705	48,700	11,801

SOUTH ATLANTIC FISHERIES
FLORIDA, EAST COAST
OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	PURSE SEINES		OTTER TRAWLS, SHRIMP	POUND NETS	HOOP AND FYKE NETS, FISH	POTS AND TRAPS	
		MENHADEN	OTHER				CRAB	FISH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS.	-	57	-	955	-	-	-	-
ON BOATS AND SHORE:								
REGULAR	113	-	2	14	10	14	116	180
CASUAL.	-	-	-	13	-	2	15	3
TOTAL	113	57	2	982	10	16	131	183
VESSELS, MOTOR.	-	3	-	431	-	-	-	-
GROSS TONNAGE	-	422	-	16,020	-	-	-	-
BOATS:								
MOTOR	24	-	1	25	10	16	131	180
OTHER	24	-	-	-	-	-	-	-
ACCESSORY BOATS	-	9	-	-	-	-	-	-
GEAR:								
NUMBER.	24	3	1	666	12	355	9,925	6,520
LENGTH, YARDS	13,785	1,200	200	-	-	-	-	-
YARDS AT MOUTH. . . .	-	-	-	12,160	-	-	-	-

ITEM	POTS AND TRAPS - CONTINUED	GILL NETS				TRAMMEL NETS	LINES		
			DRIFT						
	LOBSTER, SPINY	ANCHOR	SHAD	OTHER	RUNA-ROUND		HAND	TROLL	LONG OR SET WITH HOOKS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:									
ON VESSELS.	11	-	-	-	22	-	121	11	-
ON BOATS AND SHORE:									
REGULAR	89	8	23	65	419	12	246	218	291
CASUAL.	2	-	5	-	27	-	594	188	51
TOTAL	102	8	28	65	468	12	961	417	342
VESSELS, MOTOR.	4	-	-	-	7	-	46	4	-
GROSS TONNAGE	38	-	-	-	64	-	996	80	-
BOATS:									
MOTOR	49	8	27	36	229	9	435	285	342
OTHER	-	-	-	16	64	-	-	-	-
GEAR:									
NUMBER.	18,990	36	27	52	300	9	963	424	480
SQUARE YARDS.	-	22,000	27,800	74,150	536,300	7,670	-	-	-
HOOKS OR BAITS. . . .	-	-	-	-	-	-	1,035	424	306,700

ITEM	LINES-CONT'D.	DIP NETS, COMMON	CAST NETS	SPEARS	TONGS	HOOKS, SPONGE	BY HAND		TOTAL, EXCLUSIVE OF DUPLI-CATION
	TROT WITH BAITS						OYSTER	OTHER	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:									
ON VESSELS.	-	-	-	-	-	-	-	-	1,090
ON BOATS AND SHORE:									
REGULAR	2	7	14	-	2	1	20	5	1,390
CASUAL.	-	-	14	6	-	-	2	-	741
TOTAL	2	7	28	6	2	1	22	5	3,221
VESSELS, MOTOR.	-	-	-	-	-	-	-	-	458
GROSS TONNAGE	-	-	-	-	-	-	-	-	16,485
BOATS:									
MOTOR	2	7	22	-	1	1	19	5	1,374
OTHER	-	-	-	-	-	-	-	-	88
ACCESSORY BOATS	-	-	-	-	-	-	-	-	9
GEAR:									
NUMBER.	2	7	23	6	2	1	-	-	-
HOOKS OR BAITS. . . .	1,400	-	-	-	-	-	-	-	-

NOTE:--INCLUDES OPERATING UNITS FOR THE INLAND LAKES OF FLORIDA.

FLORIDA, EAST COAST - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	-	-	19,000	$570
BALLYHOO	-	-	15,100	$2,114	-	-
BLUE RUNNER	6,200	$372	-	-	-	-
CROAKER	3,300	429	-	-	44,700	5,811
DRUM:						
BLACK	27,100	2,358	-	-	100	9
RED	14,300	2,102	-	-	-	-
FLOUNDERS	12,000	1,920	-	-	133,500	21,360
GIZZARD SHAD	81,900	1,720	-	-	-	-
KING WHITING OR "KINGFISH"	444,800	39,142	-	-	1,257,000	110,615
MENHADEN	5,000	135	24,037,700	188,774	-	-
MOJARRA	15,600	1,248	-	-	-	-
POMPANO	100	66	-	-	-	-
SEA CATFISH	18,100	905	-	-	-	-
SHAD	302,700	39,351	-	-	-	-
SHEEPSHEAD, SALT-WATER	1,100	92	-	-	-	-
SPOT	63,500	5,842	-	-	96,100	8,841
CRABS, BLUE, HARD	-	-	-	-	9,000	450
SHRIMP	-	-	-	-	6,774,900	2,157,967
SQUID	-	-	-	-	1,000	150
TURTLES:						
GREEN	-	-	-	-	1,000	150
LOGGERHEAD	-	-	-	-	2,600	390
TOTAL	995,700	95,682	24,052,800	190,888	8,338,900	2,306,313

SPECIES	POUND NETS		HOOP AND FYKE NETS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH AND BULLHEADS	92,400	$12,197	494,600	$65,287	2,992,100	$391,015
CRABS:						
BLUE:						
HARD	-	-	-	-	6,945,800	347,290
SOFT AND PEELER	-	-	-	-	300	150
STONE	-	-	-	-	49,500	16,335
LOBSTERS, SPINY	-	-	-	-	718,600	280,254
TOTAL	92,400	12,197	494,600	65,287	10,706,300	1,035,044

SPECIES	GILL NETS					
	ANCHOR		DRIFT		RUNAROUND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	7,200	$216	200	$6
BLUEFISH	-	-	75,500	7,926	855,700	89,847
BLUE RUNNER	-	-	-	-	19,800	1,188
CREVALLE	-	-	-	-	43,600	1,352
CROAKER	-	-	-	-	59,000	7,670
DRUM:						
BLACK	-	-	-	-	6,100	532
RED	-	-	-	-	47,500	6,981
FLOUNDERS	-	-	-	-	1,100	176
KING MACKEREL	-	-	1,000	125	12,700	1,587
KING WHITING OR "KINGFISH"	-	-	-	-	42,100	3,705
MENHADEN	-	-	47,500	1,283	496,800	13,414
MOJARRA	-	-	-	-	11,700	936
MULLET:						
BLACK	-	-	800	38	2,026,900	95,265
SILVER	-	-	-	-	175,400	14,032
PERMIT	-	-	-	-	200	20
PIGFISH	-	-	-	-	9,200	920
POMPANO	-	-	42,500	28,050	66,900	44,154
SEA CATFISH	-	-	-	-	5,100	255
SEA TROUT OR WEAKFISH:						
GRAY	500	$50	2,500	250	37,000	3,700
SPOTTED	500	118	72,800	17,109	705,800	165,864
SHAD	11,800	1,534	153,700	19,981	-	-
SHARKS, UNCLASSIFIED	-	-	-	-	1,000	40
SHEEPSHEAD, SALT-WATER	-	-	-	-	48,000	4,033
SNAPPER, MANGROVE	-	-	-	-	1,900	323
SPANISH MACKEREL	-	-	47,500	4,655	2,100,100	205,810
SPOT	-	-	-	-	785,200	72,239
STURGEON, COMMON	-	-	-	-	200	30
TOTAL	12,800	1,702	451,000	79,633	7,559,200	734,079

(CONTINUED ON NEXT PAGE)

FLORIDA, EAST COAST - CATCH BY GEAR, 1960 - Continued

SPECIES	TRAMMEL NETS		LINES			
			HAND		TROLL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
AMBERJACK	-	-	31,300	$1,252	2,100	$84
BARRACUDA	-	-	2,700	108	800	32
BLUEFISH	24,200	$2,540	65,200	6,845	69,600	7,307
BLUE RUNNER	500	30	28,000	1,680	2,500	150
BONITO	-	-	-	-	600	36
CABIO	-	-	16,600	1,494	-	-
CATFISH AND BULLHEADS	-	-	700	92	-	-
CREVALLE	5,000	155	127,900	3,964	-	-
CROAKER	10,500	1,365	23,200	3,016	-	-
DOLPHIN	-	-	800	104	3,900	507
DRUM:						
BLACK	1,500	130	14,500	1,259	-	-
RED	-	-	66,900	9,833	300	44
FLOUNDERS	-	-	5,800	928	-	-
GROUPERS	-	-	252,800	29,072	-	-
GRUNTS	-	-	42,700	3,416	-	-
HOGFISH	-	-	3,700	629	-	-
JEWFISH	-	-	11,000	880	-	-
KING MACKEREL	-	-	12,200	1,525	1,781,600	222,700
KING WHITING OR "KINGFISH"	-	-	14,800	1,302	-	-
MENHADEN	5,000	135	-	-	-	-
MOJARRA	5,500	440	21,500	1,720	-	-
PERMIT	-	-	700	70	-	-
PIGFISH	200	20	100	10	-	-
POMPANO	42,400	27,984	3,000	1,980	-	-
SEA BASS	-	-	28,100	3,091	-	-
SEA CATFISH	3,000	150	3,000	150	-	-
SEA TROUT OR WEAKFISH:						
GRAY	-	-	9,000	900	4,700	470
SPOTTED	5,500	1,292	89,600	21,055	15,600	3,666
SHEEPSHEAD, SALT-WATER	17,500	1,470	23,500	1,974	-	-
SNAPPER:						
MANGROVE	-	-	54,300	9,231	-	-
MUTTON	-	-	52,800	11,353	-	-
RED	-	-	666,900	196,737	-	-
VERMILION	-	-	1,800	360	-	-
WHITE	-	-	12,100	847	-	-
YELLOWTAIL	-	-	98,200	26,514	-	-
SPANISH MACKEREL	7,500	735	48,800	4,782	78,400	7,684
SPOT	5,500	506	82,500	7,590	-	-
TENPOUNDER	-	-	200	6	-	-
TRIGGERFISH	-	-	2,700	162	-	-
TRIPLETAIL	-	-	800	48	-	-
WARSAW	-	-	6,700	536	-	-
TOTAL	133,800	36,952	1,927,100	356,515	1,960,100	242,680

SPECIES	LINES - CONTINUED				DIP NETS		CAST NETS	
	LONG OR SET WITH HOOKS		TROT WITH BAITS					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH AND BULLHEADS	4,598,400	$598,393	-	-	-	-	-	-
MULLET:								
BLACK	-	-	-	-	-	-	10,500	$916
SILVER	-	-	-	-	-	-	3,200	256
CRABS, BLUE, HARD	-	-	6,500	$325	800	$40	-	-
LOBSTERS, SPINY	-	-	-	-	800	312	-	-
SHRIMP	-	-	-	-	-	-	18,000	5,341
TOTAL	4,598,400	598,393	6,500	325	1,600	352	31,700	6,513

SPECIES	SPEARS		TONGS		HOOKS		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS	700	$112	-	-	-	-	-	-
CLAMS, HARD:								
PUBLIC	-	-	-	-	-	-	1,100	$352
PRIVATE	-	-	-	-	-	-	1,000	320
OYSTERS, MARKET:								
PUBLIC:								
SPRING	-	-	-	-	-	-	13,500	4,050
FALL	-	-	-	-	-	-	5,400	1,620
PRIVATE:								
SPRING	-	-	100	$30	-	-	11,200	3,360
FALL	-	-	300	90	-	-	14,100	4,230
SPONGES, SHEEPSWOOL	-	-	-	-	600	$3,735	-	-
TOTAL	700	112	400	120	600	3,735	46,300	13,932

FLORIDA, EAST COAST - OPERATING UNITS BY COUNTIES, 1960

ITEM	BREVARD	BROWARD	DADE	DUVAL	INDIAN RIVER	LAKE & POLK	MARTIN
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	165	2	27	248	-	-	3
ON BOATS AND SHORE:							
REGULAR	84	11	193	105	62	93	79
CASUAL	168	23	63	58	49	25	69
TOTAL	417	36	283	411	111	118	151
VESSELS, MOTOR	73	1	8	110	-	-	1
GROSS TONNAGE	2,604	13	97	4,226	-	-	9
BOATS:							
MOTOR	115	23	160	125	68	118	70
OTHER	24	-	-	8	16	-	5
GEAR:							
HAUL SEINES, COMMON	-	-	-	8	-	-	5
LENGTH, YARDS	-	-	-	6,935	-	-	3,000
PURSE SEINES, OTHER	-	-	1	-	-	-	-
LENGTH, YARDS	-	-	200	-	-	-	-
OTTER TRAWLS, SHRIMP	107	-	-	193	-	-	-
YARDS AT MOUTH	1,963	-	-	3,342	-	-	-
POTS AND TRAPS:							
CRAB	1,780	20	700	1,105	2,000	-	515
FISH	-	-	-	95	-	1,410	-
LOBSTER, SPINY	1,050	-	17,000	-	-	-	-
GILL NETS:							
ANCHOR	-	-	-	36	-	-	-
SQUARE YARDS	-	-	-	22,000	-	-	-
DRIFT:							
SHAD	-	-	-	24	-	-	-
SQUARE YARDS	-	-	-	24,000	-	-	-
OTHER	2	-	2	-	32	-	8
SQUARE YARDS	4,200	-	19,200	-	34,200	-	6,950
RUNAROUND	64	-	33	29	32	-	29
SQUARE YARDS	65,500	-	127,500	28,400	34,200	-	65,550
TRAMMEL NETS	2	-	2	-	-	-	4
SQUARE YARDS	1,370	-	1,800	-	-	-	3,600
LINES:							
HAND	171	28	134	38	46	-	72
HOOKS	174	28	148	55	46	-	72
TROLL	13	28	119	1	14	-	27
HOOKS	13	28	119	1	14	-	27
LONG OR SET WITH HOOKS	-	-	-	4	-	144	-
HOOKS	-	-	-	2,400	-	89,600	-
DIP NETS, COMMON	-	-	3	-	-	-	-
CAST NETS	-	-	-	11	-	-	2
HOOKS, SPONGE	-	-	1	-	-	-	-

ITEM	NASSAU	OKEECHOBEE	OSCEOLA, SEMINOLE, & VOLUSIA	PALM BEACH	PUTNAM	ST. JOHNS	ST. LUCIE
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	317	-	130	14	-	157	27
ON BOATS AND SHORE:							
REGULAR	22	128	145	194	130	30	114
CASUAL	8	6	97	89	24	29	33
TOTAL	347	134	372	297	154	216	174
VESSELS, MOTOR	118	-	57	6	-	73	11
GROSS TONNAGE	4,740	-	2,185	53	-	2,323	235
BOATS:							
MOTOR	29	134	145	145	119	26	97
OTHER	-	-	24	-	6	5	-
ACCESSORY BOATS	9	-	-	-	-	-	-
GEAR:							
HAUL SEINES, COMMON	-	-	-	-	6	5	-
LENGTH, YARDS	-	-	-	-	2,100	1,750	-
PURSE SEINES, MENHADEN	3	-	-	-	-	-	-
LENGTH, YARDS	1,200	-	-	-	-	-	-
OTTER TRAWLS, SHRIMP	174	-	81	-	-	102	9
YARDS AT MOUTH	3,184	-	1,545	-	-	1,958	168
POUND NETS	-	-	-	-	*12	-	-
HOOP AND FYKE NETS, FISH	-	-	-	-	355	-	-
POTS AND TRAPS:							
CRAB	1,825	-	340	-	620	300	720
FISH	-	2,560	1,600	-	855	-	-
LOBSTER, SPINY	-	-	-	820	-	-	120
GILL NETS:							
DRIFT:							
SHAD	-	-	-	-	3	-	-
SQUARE YARDS	-	-	-	-	3,800	-	-

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

FLORIDA, EAST COAST - OPERATING UNITS BY COUNTIES

1960 - Continued

ITEM	NASSAU	OKEECHOBEE	OSCEOLA, SEMINOLE, & VOLUSIA	PALM BEACH	PUTNAM	ST. JOHNS	ST. LUCIE
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
GEAR - CONTINUED:							
GILL NETS - CONTINUED:							
DRIFT - CONTINUED:							
OTHER	-	-	-	2	-	-	6
SQUARE YARDS	-	-	-	2,400	-	-	7,200
RUNAROUND	1	-	27	43	4	5	33
SQUARE YARDS	600	-	23,300	118,050	6,400	6,000	60,800
TRAMMEL NETS	-	-	-	-	-	-	1
SQUARE YARDS	-	-	-	-	-	-	900
LINES:							
HAND	23	-	124	196	-	40	91
HOOKS	29	-	131	199	-	51	102
TROLL	-	-	18	135	-	-	69
HOOKS	-	-	18	135	-	-	69
LONG OR SET WITH HOOKS	-	115	157	-	60	-	-
HOOKS	-	70,100	97,000	-	47,600	-	-
TROT WITH BAITS	-	-	2	-	-	-	-
BAITS	-	-	1,400	-	-	-	-
DIP NETS, COMMON	-	-	-	3	-	-	1
CAST NETS	-	-	5	5	-	-	-
SPEARS	-	-	-	-	-	6	-
TONGS	-	-	2	-	-	-	-

NOTE:--INCLUDES OPERATING UNITS FOR THE INLAND LAKES OF FLORIDA.

FLORIDA, EAST COAST - CATCH BY COUNTIES, 1960

SPECIES	BREVARD		BROWARD		DADE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	-	-	200	$6
AMBERJACK	200	$8	100	$4	1,100	44
BALLYHOO	-	-	-	-	15,100	2,114
BARRACUDA	-	-	-	-	200	8
BLUEFISH	5,700	599	1,200	126	10,200	1,070
BLUE RUNNER	-	-	900	54	34,200	2,052
CABIO	100	9	5,800	522	400	36
CREVALLE	4,900	152	400	12	16,500	511
CROAKER	-	-	-	-	800	104
DOLPHIN	-	-	1,800	234	1,200	156
DRUM:						
BLACK	5,800	504	-	-	100	9
RED	12,200	1,793	-	-	500	74
FLOUNDERS	26,700	4,272	-	-	4,400	704
GROUPERS	21,900	2,518	13,400	1,541	29,400	3,381
GRUNTS	-	-	2,100	168	35,400	2,832
HOGFISH	-	-	100	17	3,500	595
JEWFISH	400	32	600	48	400	32
KING MACKEREL	42,200	5,275	13,700	1,712	121,000	15,125
KING WHITING OR "KINGFISH"	210,700	18,542	-	-	-	-
MENHADEN	52,600	1,420	-	-	2,400	65
MOJARRA	2,100	168	-	-	400	32
MULLET:						
BLACK	595,100	27,970	-	-	22,600	1,062
SILVER	-	-	-	-	151,600	12,128
PERMIT	-	-	-	-	200	20
POMPANO	63,400	41,844	1,300	858	9,700	6,402
SEA BASS	1,200	132	-	-	-	-
SEA CATFISH	700	35	-	-	1,300	65
SEA TROUT OR WEAKFISH:						
GRAY	5,100	510	-	-	-	-
SPOTTED	261,900	61,548	100	24	11,900	2,797
SHEEPSHEAD, SALT-WATER	3,500	295	-	-	-	-
SNAPPER:						
MANGROVE	-	-	3,600	612	21,500	3,655
MUTTON	500	108	100	22	12,500	2,688
RED	84,800	25,016	500	148	71,300	21,034
WHITE	500	35	300	21	2,900	203
YELLOWTAIL	-	-	9,200	2,484	59,200	15,984
SPANISH MACKEREL	11,500	1,127	4,200	411	979,700	96,011
SPOT	264,500	24,334	-	-	18,800	1,730
WARSAW	-	-	1,600	128	-	-

(CONTINUED ON NEXT PAGE)

FLORIDA, EAST COAST - CATCH BY COUNTIES, 1960 - Continued

SPECIES	BREVARD		BROWARD		DADE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CRABS:						
BLUE:						
HARD	777,000	$38,850	-	-	200	$10
SOFT AND PEELER	300	150	-	-	-	-
STONE	10,300	3,399	100	$33	38,900	12,837
LOBSTER, SPINY	-	-	98,000	38,220	581,100	226,629
SHRIMP	1,191,200	401,155	-	-	-	-
SPONGES, SHEEPSWOOL	-	-	-	-	600	3,735
TOTAL	3,657,000	661,800	159,100	47,399	2,261,400	435,940

SPECIES	DUVAL		INDIAN RIVER		LAKE AND POLK	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	19,000	$570	-	-	-	-
AMBERJACK	500	20	-	-	-	-
BARRACUDA	1,800	72	100	$4	-	-
BLUEFISH	16,700	1,753	75,000	7,874	-	-
BLUE RUNNER	-	-	100	6	-	-
CABIO	7,700	693	-	-	-	-
CATFISH AND BULLHEADS	23,200	3,062	-	-	1,766,700	$229,671
CREVALLE	1,000	31	15,600	483	-	-
CROAKER	16,700	2,171	-	-	-	-
DRUM:						
BLACK	10,900	949	-	-	-	-
RED	19,900	2,925	15,400	2,264	-	-
FLOUNDERS	53,200	8,512	1,100	176	-	-
GROUPERS	29,400	3,381	4,500	518	-	-
GRUNTS	100	8	-	-	-	-
JEWFISH	3,000	240	-	-	-	-
KING MACKEREL	5,600	700	800	100	-	-
KING WHITING OR "KINGFISH"	557,900	49,095	4,300	378	-	-
MENHADEN	10,500	284	434,000	11,718	-	-
MOJARRA	-	-	3,800	304	-	-
MULLET, BLACK	103,100	5,269	250,800	11,788	-	-
POMPANO	600	396	10,200	6,732	-	-
SEA BASS	8,700	957	900	99	-	-
SEA CATFISH	10,600	530	-	-	-	-
SEA TROUT OR WEAKFISH:						
GRAY	16,500	1,650	1,500	150	-	-
SPOTTED	31,800	7,473	118,700	27,894	-	-
SHAD	143,200	18,616	-	-	-	-
SHARKS, UNCLASSIFIED	1,000	40	-	-	-	-
SHEEPSHEAD, SALT-WATER	400	33	-	-	-	-
SNAPPER:						
MANGROVE	-	-	500	85	-	-
MUTTON	700	150	-	-	-	-
RED	84,000	24,780	17,700	5,222	-	-
WHITE	5,600	392	-	-	-	-
SPANISH MACKEREL	6,400	628	1,600	158	-	-
SPOT	21,500	1,978	374,800	34,482	-	-
TRIGGERFISH	1,500	90	-	-	-	-
WARSAW	300	24	-	-	-	-
CRABS:						
BLUE, HARD	777,900	38,895	1,300,100	65,005	-	-
STONE	-	-	200	66	-	-
SHRIMP	1,687,400	500,676	-	-	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	2,200	660	-	-	-	-
FALL	900	270	-	-	-	-
PRIVATE:						
SPRING	8,600	2,580	-	-	-	-
FALL	12,100	3,630	-	-	-	-
TURTLES:						
GREEN	1,000	150	-	-	-	-
LOGGERHEAD	2,600	390	-	-	-	-
TOTAL	3,705,700	684,723	2,631,700	175,506	1,766,700	229,671

SPECIES	MARTIN		NASSAU		OKEECHOBEE		OSCEOLA, SEMINOLE, AND VOLUSIA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
AMBERJACK	900	$36	-	-	-	-	28,900	$1,156
BARRACUDA	100	4	-	-	-	-	100	4
BLUEFISH	197,500	20,736	-	-	-	-	900	95
BLUE RUNNER	11,200	672	-	-	-	-	-	-
CABIO	200	18	-	-	-	-	600	54

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

FLORIDA, EAST COAST - CATCH BY COUNTIES, 1960 - Continued

SPECIES	MARTIN		NASSAU		OKEECHOBEE		OSCEOLA, SEMINOLE, AND VOLUSIA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH AND BULLHEADS	-	-	700	$92	3,163,000	$411,190	1,432,700	$186,438
CREVALLE	74,100	$2,298	-	-	-	-	7,700	238
CROAKER	63,200	8,216	-	-	-	-	-	-
DOLPHIN	-	-	-	-	-	-	400	52
DRUM:								
BLACK	20,200	1,756	1,500	131	-	-	6,500	565
RED	7,700	1,131	800	117	-	-	58,100	8,539
FLOUNDERS	900	144	10,600	1,696	-	-	18,200	2,912
GROUPERS	3,700	426	400	46	-	-	53,900	6,198
GRUNTS	-	-	-	-	-	-	5,000	400
JEWFISH	2,800	224	-	-	-	-	100	8
KING MACKEREL	2,500	312	-	-	-	-	7,500	938
KING WHITING OR "KINGFISH"	229,300	20,178	365,800	32,190	-	-	83,800	7,375
MENHADEN	25,300	683	24,037,700	188,774	-	-	500	14
MOJARRA	36,500	2,920	-	-	-	-	-	-
MULLET:								
BLACK	282,300	13,268	800	38	-	-	505,500	23,759
SILVER	1,100	88	-	-	-	-	-	-
PERMIT	300	30	-	-	-	-	-	-
PIGFISH	700	70	-	-	-	-	8,800	880
POMPANO	25,100	16,566	-	-	-	-	1,100	726
SEA BASS	1,400	154	-	-	-	-	8,200	902
SEA CATFISH	15,000	750	-	-	-	-	-	-
SEA TROUT OR WEAKFISH:								
GRAY	10,600	1,060	-	-	-	-	1,400	140
SPOTTED	40,500	9,518	7,100	1,668	-	-	224,700	52,805
SHEEPSHEAD, SALT-WATER	75,300	6,325	1,600	134	-	-	100	8
SNAPPER:								
MANGROVE	3,600	612	-	-	-	-	-	-
MUTTON	1,500	322	-	-	-	-	-	-
RED	1,700	502	2,000	590	-	-	155,400	45,843
YELLOWTAIL	4,700	1,269	-	-	-	-	400	108
SPANISH MACKEREL	183,000	17,934	800	78	-	-	200	20
SPOT	84,500	7,774	9,600	883	-	-	96,000	8,832
TENPOUNDER	200	6	-	-	-	-	-	-
TRIGGERFISH	-	-	200	12	-	-	1,000	60
TRIPLETAIL	800	48	-	-	-	-	-	-
WARSAW	200	16	-	-	-	-	1,300	104
CRABS, BLUE, HARD	99,100	4,955	2,030,000	101,500	-	-	495,600	24,780
SHRIMP	-	-	1,871,200	592,441	-	-	857,700	287,779
CLAMS, HARD, PUBLIC	-	-	100	32	-	-	-	-
OYSTERS, MARKET:								
PUBLIC:								
SPRING	-	-	1,200	360	-	-	6,000	1,800
FALL	-	-	600	180	-	-	2,800	840
PRIVATE:								
SPRING	-	-	-	-	-	-	100	30
FALL	-	-	-	-	-	-	300	90
SQUID	-	-	-	-	-	-	900	135
TOTAL	1,507,700	141,021	28,342,700	920,962	3,163,000	411,190	4,072,400	664,627

SPECIES	PALM BEACH		PUTNAM		ST. JOHNS		ST LUCIE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	7,200	$216	-	-	-	-
AMBERJACK	1,100	$44	-	-	400	$16	200	$8
BARRACUDA	1,200	48	-	-	-	-	-	-
BLUEFISH	297,500	31,237	-	-	500	52	485,000	50,923
BLUE RUNNER	7,800	468	-	-	-	-	2,800	168
BONITO	-	-	-	-	-	-	600	36
CABIO	500	45	-	-	-	-	1,300	117
CATFISH AND BULLHEADS	-	-	1,791,900	236,531	-	-	-	-
CREVALLE	16,300	506	-	-	1,400	43	38,600	1,197
CROAKER	7,200	936	-	-	800	104	52,000	6,760
DOLPHIN	800	104	-	-	-	-	500	65
DRUM:								
BLACK	2,200	191	-	-	2,100	183	-	-
RED	1,000	147	-	-	2,700	397	10,700	1,573
FLOUNDERS	-	-	-	-	37,700	6,032	300	48
GIZZARD SHAD	-	-	81,900	1,720	-	-	-	-
GROUPERS	15,800	1,817	-	-	6,100	702	74,300	8,544
GRUNTS	100	8	-	-	-	-	-	-
HOGFISH	100	17	-	-	-	-	-	-
JEWFISH	2,000	160	-	-	300	24	1,400	112
KING MACKEREL	1,448,700	181,088	-	-	100	12	165,400	20,675
KING WHITING OR "KINGFISH"	2,300	202	-	-	265,300	23,346	39,300	3,458

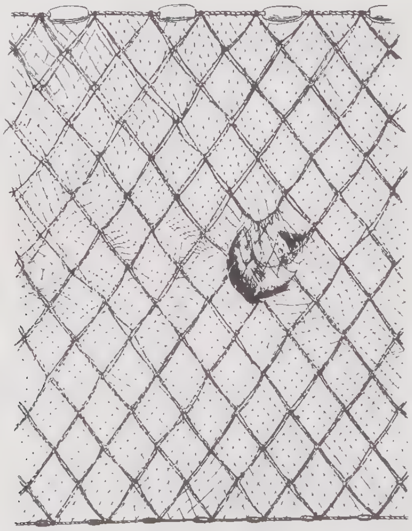
SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

FLORIDA, EAST COAST - CATCH BY COUNTIES, 1960 - Continued

SPECIES	PALM BEACH		PUTNAM		ST. JOHNS		ST. LUCIE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
MENHADEN	400	$11	-	-	-	-	28,600	$772
MOJARRA	10,400	832	-	-	100	$8	1,000	80
MULLET:								
BLACK	24,400	1,146	129,300	$6,077	18,200	855	106,100	4,987
SILVER	11,500	920	-	-	-	-	14,400	1,152
PERMIT	400	40	-	-	-	-	-	-
POMPANO	30,600	20,196	-	-	200	132	12,700	8,382
SEA BASS	-	-	-	-	1,400	154	6,300	693
SEA CATFISH	100	5	-	-	-	-	1,500	75
SEA TROUT OR WEAKFISH:								
GRAY	200	20	-	-	100	10	18,300	1,830
SPOTTED	800	188	-	-	1,800	423	190,500	44,766
SHAD	-	-	325,000	42,250	-	-	-	-
SHEEPSHEAD, SALT-WATER	7,600	639	-	-	300	25	1,300	110
SNAPPER:								
MANGROVE	10,400	1,768	-	-	3,500	595	13,100	2,227
MUTTON	36,100	7,762	-	-	-	-	1,400	301
RED	17,500	5,162	-	-	83,600	24,662	148,400	43,778
VERMILION	1,800	360	-	-	-	-	-	-
WHITE	2,100	147	-	-	500	35	200	14
YELLOWTAIL	16,300	4,401	-	-	-	-	8,400	2,268
SPANISH MACKEREL	913,800	89,552	-	-	1,300	127	179,800	17,620
SPOT	-	-	-	-	2,300	211	160,800	14,794
STURGEON, COMMON	-	-	-	-	200	30	-	-
WARSAW	200	16	-	-	200	16	2,900	232
CRABS, BLUE, HARD	600	30	389,900	19,495	241,400	12,070	850,300	42,515
LOBSTERS, SPINY	30,400	11,856	-	-	-	-	9,900	3,861
SHRIMP	-	-	-	-	1,179,900	379,348	5,500	1,909
CLAMS, HARD:								
PUBLIC	-	-	-	-	1,000	320	-	-
PRIVATE	-	-	-	-	1,000	320	-	-
OYSTERS, MARKET:								
PUBLIC:								
SPRING	-	-	-	-	4,100	1,230	-	-
FALL	-	-	-	-	1,100	330	-	-
PRIVATE:								
SPRING	-	-	-	-	2,600	780	-	-
FALL	-	-	-	-	2,000	600	-	-
SQUID	-	-	-	-	100	15	-	-
TOTAL	2,920,200	362,069	2,725,200	306,289	1,864,300	453,207	2,633,800	286,050

NOTE:--INCLUDES THE CATCH FOR THE INLAND LAKES OF FLORIDA.



TRAMMEL NET

FLORIDA - OPERATING UNITS BY DISTRICTS, 1960

SPECIES	EAST COAST	WEST COAST	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSEL	1,090	3,327	4,103
ON BOATS AND SHORE:			
REGULAR	1,390	2,707	4,097
CASUAL	741	1,579	2,320
TOTAL	3,221	7,613	10,520
VESSELS, MOTOR	458	1,111	1,426
GROSS TONNAGE	16,485	46,248	56,432
BOATS:			
MOTOR	1,374	3,001	4,375
OTHER	88	402	490
ACCESSORY BOATS	9	22	31
GEAR:			
HAUL SEINE, COMMON	24	51	75
LENGTH, YARDS	13,785	40,550	54,335
PURSE SEINE, MENHADEN	3	2	5
LENGTH, YARDS	1,200	800	2,000
LAMPARA NETS	1	4	5
LENGTH, YARDS	200	800	1,000
OTTER TRAWLS:			
FISH	-	20	20
YARDS AT MOUTH	-	362	362
SHRIMP	666	1,739	2,149
YARDS AT MOUTH	12,160	26,607	34,714
POUND NETS, FISH	12	-	12
HOOP AND FYKE NETS, FISH	355	-	355
POTS AND TRAPS:			
CRAB	9,925	34,300	44,225
FISH	6,520	90	6,610
LOBSTER, SPINY	18,990	54,640	73,630
GILL NETS:			
ANCHOR	36	-	36
SQUARE YARDS	22,000	-	22,000
DRIFT	79	46	125
SQUARE YARDS	101,950	217,500	319,450
RUNAROUND	300	1,034	1,332
SQUARE YARDS	536,300	1,436,435	1,967,335
TRAMMEL NETS	9	319	328
SQUARE YARDS	7,670	405,950	413,620
LINES:			
HAND	963	2,581	3,541
HOOKS	1,035	4,002	5,031
TROLL	424	1,180	1,604
HOOKS	424	1,180	1,604
TROT WITH HOOKS	480	12	492
HOOKS	306,700	2,090	308,790
TROT WITH BAITS	2	101	103
BAITS	1,400	59,160	60,560
DIP NETS:			
COMMON	7	56	63
DROP	-	80	80
CAST NETS	23	39	62
SPEARS	6	50	56
DREDGES, SCALLOP	-	47	47
YARDS AT MOUTH	-	50	50
TONGS:			
OYSTER	2	417	419
OTHER	-	3	3
FORKS	-	3	3
HOOKS:			
SPONGE	1	40	41
OTHER	-	3	3
DIVING OUTFITS:			
SPONGE	-	12	12
OTHER	-	3	3

NOTE:--A TOTAL OF 341 FISHERMEN OPERATING IN 341 MOTOR BOATS FISHED 5,510 FISH POTS AND TRAPS AND 416 TROT-LINES WITH 256,700 HOOKS IN THE INLAND LAKES OF FLORIDA. THESE OPERATING UNITS ARE INCLUDED WITH THOSE OF THE EAST COAST OF FLORIDA.

FLORIDA - CATCH BY DISTRICTS, 1960

SPECIES	EAST COAST		WEST COAST		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FISH						
ALEWIVES	26,400	$792	162,300	$8,115	188,700	$8,907
AMBERJACK	33,400	1,336	16,400	492	49,800	1,828
BALLYHOO	15,100	2,114	51,000	7,140	66,100	9,254
BARRACUDA	3,500	140	4,800	192	8,300	332
BLUEFISH	1,090,200	114,465	718,000	78,980	1,808,200	193,445
BLUE RUNNER	57,000	3,420	684,400	27,376	741,400	30,796
BONITO	600	36	900	54	1,500	90
CABIO	16,600	1,494	35,300	2,118	51,900	3,612
CATFISH AND BULLHEADS	8,178,200	1,066,984	29,200	4,380	8,207,400	1,071,364
CIGARFISH	-	-	212,900	14,903	212,900	14,903
CREVALLE	176,500	5,471	891,400	19,609	1,067,900	25,080
CROAKER	140,700	18,291	20,500	1,536	161,200	19,827
DOLPHIN	4,700	611	9,200	828	13,900	1,439
DRUM:						
BLACK	49,300	4,288	191,300	8,605	240,600	12,893
RED	129,000	18,960	817,000	98,040	946,000	117,000
FLOUNDERS	153,100	24,496	124,100	18,624	277,200	43,120
GIZZARD SHAD	81,900	1,720	-	-	81,900	1,720
GROUPERS	252,800	29,072	5,922,700	663,341	6,175,500	692,413
GRUNTS	42,700	3,416	134,400	9,812	177,100	13,228
HOGFISH	3,700	629	17,700	2,832	21,400	3,461
JEWFISH	11,000	880	66,800	4,676	77,800	5,556
KING MACKEREL	1,807,500	225,937	1,784,600	182,028	3,592,100	407,965
KING WHITING OR "KINGFISH"	1,758,700	154,764	112,500	7,314	1,871,200	162,078
MENHADEN	24,592,000	203,741	6,580,400	60,068	31,172,400	263,809
MOJARRA	54,300	4,344	337,300	20,238	391,600	24,582
MULLET:						
BLACK	2,038,200	96,219	30,894,700	1,761,000	32,932,900	1,857,219
SILVER	178,600	14,288	422,900	29,603	601,500	43,891
PERMIT	900	90	59,600	5,364	60,500	5,454
PIGFISH	9,500	950	200	20	9,700	970
POMPANO	154,900	102,234	528,900	343,735	683,800	445,969
SEA BASS	28,100	3,091	100	12	28,200	3,103
SEA CATFISH	29,200	1,460	565,500	39,585	594,700	41,045
SEA TROUT OR WEAKFISH:						
GRAY	53,700	5,370	-	-	53,700	5,370
SPOTTED	889,800	209,104	2,764,600	610,972	3,654,400	820,076
WHITE	-	-	78,200	7,820	78,200	7,820
SHAD	468,200	60,866	-	-	468,200	60,866
SHARKS	1,000	40	3,700	148	4,700	188
SHEEPSHEAD, SALT-WATER	90,100	7,569	182,400	14,592	272,500	22,161
SNAPPER:						
MANGROVE	56,200	9,554	262,600	42,016	318,800	51,570
MUTTON	52,800	11,353	93,900	20,188	146,700	31,541
RED	666,900	196,737	5,447,000	1,416,220	6,113,900	1,612,957
VERMILION	1,800	360	8,200	1,640	10,000	2,000
WHITE	12,100	847	68,600	4,802	80,700	5,649
YELLOWTAIL	98,200	26,514	527,600	121,348	625,800	147,862
SPANISH MACKEREL	2,282,300	223,666	5,435,100	510,898	7,717,400	734,564
SPANISH SARDINE	-	-	19,200	384	19,200	384
SPOT	1,032,800	95,018	263,800	15,828	1,296,600	110,846
STURGEON	200	30	1,000	150	1,200	180
TENPOUNDER	200	6	502,700	15,081	502,900	15,087
TILEFISH	-	-	200	20	200	20
TRIGGERFISH	2,700	162	11,900	714	14,600	876
TRIPLETAIL	800	48	18,900	1,190	19,700	1,238
WARSAW	6,700	536	118,900	8,323	125,600	8,859
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	610,200	6,102	610,200	6,102
TOTAL FISH	46,834,800	2,953,513	67,815,700	6,219,056	114,650,500	9,172,569
SHELLFISH, ETC.						
CRABS:						
BLUE:						
HARD	6,962,100	348,105	18,648,300	895,117	25,610,400	1,243,222
SOFT AND PEELER	300	150	4,200	2,100	4,500	2,250
STONE	49,500	16,335	365,900	134,285	415,400	150,620
TOTAL CRABS	7,011,900	364,590	19,018,400	1,031,502	26,030,300	1,396,092

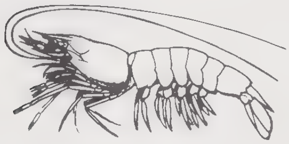
SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

FLORIDA - CATCH BY DISTRICTS, 1960 - Continued

SPECIES	EAST COAST		WEST COAST		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SHELLFISH, ETC. - CONTINUED						
LOBSTERS, SPINY	719,400	$280,566	2,129,100	$819,703	2,848,500	$1,100,269
SHRIMP	6,792,900	2,163,308	44,463,700	12,154,889	51,256,600	14,318,197
CLAMS, HARD:						
PUBLIC	1,100	352	18,500	5,920	19,600	6,272
PRIVATE	1,000	320	-	-	1,000	320
CONCHS	-	-	22,000	5,280	22,000	5,280
OYSTERS, MARKET:						
PUBLIC:						
SPRING	13,500	4,050	870,600	209,911	884,100	213,961
FALL	5,400	1,620	637,300	167,249	642,700	168,869
PRIVATE:						
SPRING	11,300	3,390	253,500	60,992	264,800	64,382
FALL	14,400	4,320	169,400	44,548	183,800	48,868
TOTAL OYSTERS	44,600	13,380	1,930,800	482,700	1,975,400	496,080
SCALLOPS, BAY	-	-	55,700	13,925	55,700	13,925
SQUID	1,000	150	16,600	1,328	17,600	1,478
TURTLES:						
GREEN	1,000	150	20,000	3,000	21,000	3,150
LOGGERHEAD	2,600	390	7,200	1,080	9,800	1,470
SPONGES:						
GRASS	-	-	500	1,562	500	1,562
SHEEPSWOOL	600	3,735	35,000	301,700	35,600	305,435
YELLOW	-	-	1,800	6,235	1,800	6,235
TOTAL SHELLFISH, ETC.	14,576,100	2,826,941	67,719,300	14,828,824	82,295,400	17,655,765
GRAND TOTAL	61,410,900	5,780,454	135,535,000	21,047,880	196,945,900	26,828,334

NOTE:--A CATCH OF 6,268,800 POUNDS OF CATFISH AND BULLHEADS (VALUED AT $814,944) TAKEN FROM THE INLAND LAKES OF FLORIDA IS INCLUDED WITH THE CATCH FOR THE EAST COAST OF FLORIDA.



SHRIMP

SOUTH ATLANTIC SHRIMP FISHERY

Landings of shrimp at ports in the South Atlantic States during 1960 totaled 18.6 million pounds (heads-off), for which fishermen received $8.5 million. Compared with the previous year, this was an increase of 20 percent in volume and 30 percent in value.

Georgia led the South Atlantic States in the production of shrimp with landings of 6.2 million pounds (heads-off), followed by South Carolina, 4.8 million; East Coast of Florida, 4 million; and North Carolina, 3.6 million. White shrimp accounted for 66 percent of the catch; brown shrimp, 30 percent; and pink shrimp, 4 percent.

Shrimp with a count 31-40 per pound, heads-off, accounted for 29 percent of the catch; 26-30 count, 24 percent; and 15-25 count, 17 percent. The 41-and-over size accounted for 30 percent.

Despite an increase in catch and higher average prices, construction of shrimp trawlers was below normal. Only 45 fishing vessels of all types received first documents as fishing craft in the area during 1960, compared with 76 in 1959, and an average of 112 during the previous 10 years.

One hurricane, *Donna*, struck the North Carolina Coast in September causing considerable damage to the fishing fleet and shore establishments. After the hurricane passed and fishing was resumed, the fleet was unable to locate the shrimp for the remainder of the season. Georgia fishermen encountered large quantities of jellyfish during June and July, which damaged trawl nets and increased the effort required to make the catch.

The quantities shown in the following tables are based on the heads-off weight of the shrimp and are not directly comparable with the volume data published in the General Review, regional tables, or the Review of Certain Major Fisheries, which represent the round weight of the catch. The pounds of heads-off shrimp may be converted to heads-on weight by multiplying by 1.68. The common names of the species used in these tables are as follows: Brown shrimp (*Penaeus aztecus*), pink shrimp (*Penaeus duorarum*), and white shrimp (*Penaeus setiferus*).

Information on the landings of shrimp in the South Atlantic States contained in the following tables has previously been published in Current Fishery Statistics No. 2604. Monthly data on landings of shrimp in the Gulf States by species, size, volume, and landed value in each State; the number of fishing trips; days fished; and the catch by area, depth, and size of shrimp are included in Section 6 of this Digest.

* * *

SUMMARY OF SHRIMP LANDINGS, 1960

SIZE	BROWN		PINK		WHITE		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
15-20	327,711	$212,534	9,356	$5,800	45,276	$28,078	382,343	$246,412
21-25	637,757	370,761	32,764	19,082	2,115,744	1,256,178	2,786,265	1,646,021
26-30	1,527,481	794,605	47,607	24,653	2,962,534	1,559,567	4,537,622	2,378,825
31-40	1,809,779	831,360	138,294	69,551	3,430,499	1,615,891	5,378,572	2,516,802
41-50	864,539	326,128	191,515	77,576	1,593,611	569,900	2,649,665	973,604
51-67	354,816	99,929	209,767	67,962	1,004,950	290,082	1,569,533	457,973
68 AND OVER .	91,728	21,723	137,257	34,084	1,047,306	236,431	1,276,291	292,238
TOTAL . .	5,613,811	2,657,040	766,560	298,708	12,199,920	5,556,127	18,580,291	8,511,875

NORTH CAROLINA SHRIMP LANDINGS, BY MONTHS, 1960

SPECIES AND SIZE	JANUARY		FEBRUARY		MARCH		APRIL		MAY	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
PINK:										
31 - 40. . . .	145	$52	-	-	-	-	-	-	4,472	$2,459
41 - 50. . . .	-	-	-	-	-	-	622	$298	32,903	14,807
51 - 67. . . .	-	-	-	-	-	-	-	-	38,633	13,523
68 AND OVER. .	-	-	-	-	-	-	-	-	20,748	5,186
TOTAL . . .	145	52	-	-	-	-	622	298	96,756	35,975
WHITE:										
31 - 40, TOTAL	1,106	498	520	$239	-	-	-	-	-	-
TOTAL, 1960	1,251	550	520	239	-	-	622	298	96,756	35,975
TOTAL, 1959	-	-	-	-	-	-	6,178	3,562	161,893	74,353

SPECIES AND SIZE	JUNE		JULY		AUGUST		SEPTEMBER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:								
15 - 20. . . .	-	-	-	-	232,993	$153,775	87,623	$54,326
21 - 25. . . .	-	-	92,192	$56,235	138,445	84,451	41,446	23,624
26 - 30. . . .	-	-	84,062	46,233	174,550	98,928	34,189	17,435
31 - 40. . . .	-	-	439,431	206,532	362,672	175,661	28,235	12,142
41 - 50. . . .	-	-	379,933	144,374	40,966	15,676	14,456	5,350
51 - 67. . . .	-	-	245,514	68,545	22,449	6,372	12,143	3,328
68 AND OVER. .	-	-	26,420	6,077	17,258	4,142	17,381	3,824
TOTAL . . .	-	-	1,267,552	527,996	989,333	539,005	235,473	120,029
PINK:								
15 - 20. . . .	-	-	-	-	-	-	4,450	2,758
21 - 25. . . .	-	-	10,225	6,235	-	-	13,816	7,875
26 - 30. . . .	-	-	9,326	5,129	-	-	5,207	2,656
31 - 40. . . .	65,914	$36,253	41,911	19,671	-	-	2,623	1,128
41 - 50. . . .	49,510	22,281	29,126	11,067	-	-	2,996	1,108
51 - 67. . . .	84,964	29,738	26,117	7,313	-	-	1,341	362
68 AND OVER. .	39,984	9,996	2,936	675	-	-	5,794	1,275
TOTAL . . .	240,372	98,268	119,641	50,090	-	-	36,227	17,162
WHITE:								
26 - 30. . . .	-	-	-	-	-	-	36,957	18,849
31 - 40. . . .	-	-	-	-	-	-	37,945	16,317
41 - 50. . . .	-	-	-	-	-	-	13,842	5,121
51 - 67. . . .	-	-	-	-	-	-	36,100	9,747
TOTAL . . .	-	-	-	-	-	-	124,844	50,034
TOTAL, 1960	240,372	98,268	1,387,193	578,086	989,333	539,005	396,544	187,225
TOTAL, 1959	453,211	168,892	1,010,944	339,385	887,499	395,642	402,611	181,289

SPECIES AND SIZE	OCTOBER		NOVEMBER		DECEMBER		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:								
15 - 20. . . .	1,923	$1,193	-	-	-	-	322,539	$209,294
21 - 25. . . .	3,771	2,150	-	-	-	-	275,854	166,460
26 - 30. . . .	9,711	4,953	-	-	-	-	302,512	167,549
31 - 40. . . .	12,219	5,253	-	-	-	-	842,557	399,588
41 - 50. . . .	12,656	4,682	-	-	-	-	448,011	170,082
51 - 67. . . .	15,960	4,628	-	-	-	-	296,066	82,873
68 AND OVER. .	15,796	3,910	-	-	-	-	76,855	17,953
TOTAL . . .	72,036	26,769	-	-	-	-	2,564,394	1,213,799
PINK:								
15 - 20. . . .	4,906	3,042	-	-	-	-	9,356	5,800
21 - 25. . . .	8,723	4,972	-	-	-	-	32,764	19,082
26 - 30. . . .	16,697	8,516	14,659	$7,476	1,718	$876	47,607	24,653
31 - 40. . . .	16,215	6,972	6,302	2,711	712	305	138,294	69,551
41 - 50. . . .	23,313	8,625	46,475	16,959	6,570	2,431	191,515	77,576
51 - 67. . . .	27,059	7,846	28,065	8,139	3,588	1,041	209,767	67,962
68 AND OVER. .	47,385	11,847	17,751	4,439	2,659	666	137,257	34,084
TOTAL . . .	144,298	51,820	113,252	39,724	15,247	5,319	766,560	298,708
WHITE:								
26 - 30. . . .	7,298	3,722	-	-	-	-	44,255	22,571
31 - 40. . . .	55,145	23,713	3,768	1,620	1,450	624	99,934	43,011
41 - 50. . . .	11,353	4,201	15,701	5,809	2,950	1,091	43,846	16,222
51 - 67. . . .	7,300	2,117	1,466	425	700	203	45,566	12,492
TOTAL . . .	81,096	33,753	20,935	7,854	5,100	1,918	233,601	94,296
TOTAL, 1960	297,430	112,342	134,187	47,578	20,347	7,237	3,564,555	1,606,803
TOTAL, 1959	511,216	145,982	353,170	102,415	9,700	2,320	3,796,422	1,413,840

SEE NOTE ON PAGE 254.

SOUTH CAROLINA SHRIMP LANDINGS, BY MONTHS, 1960

SPECIES AND SIZE	JANUARY		FEBRUARY		MARCH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
WHITE, 68 AND OVER, TOTAL. . .	-	-	-	-	6,069	$1,032
TOTAL, 1960	-	-	-	-	6,069	1,032

SPECIES AND SIZE	APRIL		MAY		JUNE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN, 51 - 67, TOTAL.	-	-	-	-	7,012	$2,104
WHITE:						
26 - 30.	-	-	2,125	$1,424	67,532	46,597
31 - 40.	-	-	4,780	2,964	77,000	48,510
TOTAL	-	-	6,905	4,388	144,532	95,107
TOTAL, 1960	-	-	6,905	4,388	151,544	97,211
TOTAL, 1959	-	-	10,560	6,336	406,493	198,077

SPECIES AND SIZE	JULY		AUGUST		SEPTEMBER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
21 - 25.	132,976	$76,892	144,539	$76,601	-	-
26 - 30.	313,263	162,896	359,300	179,650	-	-
31 - 40.	35,000	16,450	132,200	56,846	-	-
41 - 50.	269,000	99,530	22,400	7,392	-	-
51 - 67.	12,000	2,160	-	-	-	-
68 AND OVER.	3,000	420	-	-	-	-
TOTAL	765,239	358,348	658,439	320,489	-	-
WHITE:						
26 - 30.	85,943	44,690	-	-	272,792	$135,348
31 - 40.	-	-	-	-	320,000	136,200
41 - 50.	-	-	30,100	9,933	273,000	90,090
51 - 67.	-	-	40,200	9,648	60,000	14,400
68 AND OVER.	-	-	11,427	1,943	-	-
TOTAL	85,943	44,690	81,727	21,524	925,792	376,038
TOTAL, 1960	851,182	403,038	740,166	342,013	925,792	376,038
TOTAL, 1959	1,075,255	454,699	934,587	353,855	600,936	245,856

SPECIES AND SIZE	OCTOBER		NOVEMBER		DECEMBER		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:								
21 - 25.	-	-	-	-	-	-	277,515	$153,493
26 - 30.	-	-	-	-	-	-	672,563	342,546
31 - 40.	-	-	-	-	-	-	167,200	73,296
41 - 50.	-	-	-	-	-	-	291,400	106,922
51 - 67.	-	-	-	-	-	-	19,012	4,264
68 AND OVER.	-	-	-	-	-	-	3,000	420
TOTAL	-	-	-	-	-	-	1,430,690	680,941
WHITE:								
21 - 25.	167,257	$91,991	123,592	$67,976	2,770	$1,523	293,619	161,490
26 - 30.	440,408	220,204	233,000	116,500	30,398	15,199	1,132,198	579,962
31 - 40.	375,000	161,250	256,000	109,820	79,000	33,970	1,111,780	492,714
41 - 50.	106,000	34,980	163,000	53,790	75,000	24,750	647,100	213,543
51 - 67.	-	-	-	-	47,000	10,810	147,200	34,858
68 AND OVER.	-	-	-	-	-	-	17,496	2,975
TOTAL	1,088,665	508,425	775,592	348,086	234,168	86,252	3,349,393	1,485,542
TOTAL, 1960	1,088,665	508,425	775,592	348,086	234,168	86,252	4,780,083	2,166,483
TOTAL, 1959	963,554	437,593	317,446	144,947	164,117	75,218	4,472,948	1,916,581

SEE NOTE ON PAGE 254.

GEORGIA SHRIMP LANDINGS, BY MONTHS, 1960

SPECIES AND SIZE	JANUARY		FEBRUARY		MARCH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
WHITE:						
15 - 20	1,475	$856	2,100	$1,218	1,525	$915
21 - 25	24,415	12,940	4,875	2,584	2,150	1,183
26 - 30	9,025	4,332	675	317	25	12
31 - 40	7,362	2,991	325	127	50	23
41 - 50	14,105	4,712	900	309	325	121
51 - 67	1,593	459	2,175	592	525	163
68 AND OVER	49,389	9,924	12,648	3,012	24,761	6,933
TOTAL	107,364	36,214	23,698	8,159	29,361	9,350
TOTAL, 1960	107,364	36,214	23,698	8,159	29,361	9,350
TOTAL, 1959	34,133	12,972	20,788	6,910	18,918	6,490

SPECIES AND SIZE	APRIL		MAY		JUNE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
41 - 50	-	-	-	-	15,275	$7,632
51 - 67	-	-	-	-	2,075	893
TOTAL	-	-	-	-	17,350	8,525
WHITE:						
15 - 20	200	$116	-	-	-	-
21 - 25	100	53	-	-	-	-
26 - 30	-	-	2,125	$1,339	53,225	33,532
31 - 40	1,375	627	93,925	55,878	236,496	142,725
41 - 50	7,150	2,567	10,143	5,116	1,040	396
51 - 67	12,800	3,965	3,522	1,478	-	-
68 AND OVER	43,539	12,190	4,300	1,420	-	-
TOTAL	65,164	19,518	114,015	65,231	290,761	176,653
TOTAL, 1960	65,164	19,518	114,015	65,231	308,111	185,178
TOTAL, 1959	23,749	10,225	74,698	47,205	377,226	219,700

SPECIES AND SIZE	JULY		AUGUST		SEPTEMBER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
15 - 20	-	-	-	-	4,750	$2,945
21 - 25	-	-	7,525	$3,988	33,175	18,578
26 - 30	154,600	$74,979	198,000	99,002	105,400	54,808
31 - 40	430,000	177,537	168,900	77,695	53,200	22,343
41 - 50	70,430	24,210	-	-	-	-
51 - 67	8,275	2,317	-	-	-	-
TOTAL	663,305	279,043	374,425	180,685	196,525	98,674
WHITE:						
21 - 25	1,518	804	-	-	-	-
26 - 30	-	-	21,925	10,962	116,475	60,567
31 - 40	-	-	56,575	23,525	469,575	218,866
41 - 50	90	29	58,650	20,321	156,900	55,989
51 - 67	200	53	81,463	23,518	127,700	38,167
68 AND OVER	25,475	5,604	25,996	5,978	155,805	37,392
TOTAL	27,283	6,490	244,609	84,304	1,026,455	410,981
TOTAL, 1960	690,588	285,533	619,034	264,989	1,222,980	509,655
TOTAL, 1959	633,446	302,033	554,015	190,566	763,566	305,129

SPECIES AND SIZE	OCTOBER		NOVEMBER		DECEMBER		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:								
15 - 20	-	-	-	-	-	-	4,750	$2,945
21 - 25	4,575	$2,607	-	-	-	-	45,275	25,173
26 - 30	-	-	-	-	-	-	458,000	228,789
31 - 40	18,150	7,622	-	-	-	-	670,250	285,197
41 - 50	-	-	-	-	-	-	85,705	31,842
51 - 67	-	-	-	-	-	-	10,350	3,210
TOTAL	22,725	10,229	-	-	-	-	1,274,330	577,156
WHITE:								
15 - 20	-	-	-	-	-	-	5,300	3,105
21 - 25	179,425	96,889	90,800	$51,755	17,925	$10,218	321,208	176,426
26 - 30	427,750	209,653	257,600	133,952	31,150	16,198	919,975	470,864
31 - 40	378,200	163,172	236,250	109,123	97,100	42,975	1,577,233	760,032
41 - 50	125,675	43,301	104,800	38,915	101,750	37,549	581,528	209,325
51 - 67	124,375	34,736	65,275	19,737	119,200	35,422	538,828	158,290
68 AND OVER	108,343	24,918	92,196	22,127	431,356	90,585	973,808	220,083
TOTAL	1,343,768	572,669	846,921	375,609	798,481	232,947	4,917,880	1,998,125
TOTAL, 1960	1,366,493	582,898	846,921	375,609	798,481	232,947	6,192,210	2,575,281
TOTAL, 1959	915,725	369,847	639,040	234,141	469,534	131,814	4,524,838	1,837,032

SEE NOTE ON PAGE 254.

FLORIDA, EAST COAST SHRIMP LANDINGS, BY MONTHS, 1960

SPECIES AND SIZE	JANUARY		FEBRUARY		MARCH		APRIL		MAY	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
WHITE:										
15 - 20. . . .	33,637	$20,331	1,982	$1,307	3,152	$2,364	961	$797	-	-
21 - 25. . . .	315,771	181,104	30,899	19,466	30,130	21,123	16,658	12,991	4,412	$3,310
26 - 30. . . .	97,255	50,891	12,221	7,211	8,845	5,751	442	322	2,715	1,873
31 - 40. . . .	57,047	25,747	23,867	12,650	7,228	4,124	2,798	1,818	16,018	10,251
41 - 50. . . .	49,459	18,765	12,831	5,773	3,672	1,873	1,959	1,077	3,358	1,914
51 - 67. . . .	34,228	10,131	19,693	6,893	1,102	485	-	-	63	32
68 AND OVER. .	7,049	1,761	1,653	413	492	160	48	14	92	28
TOTAL . . .	594,446	308,730	103,146	53,713	54,621	35,880	22,866	17,019	26,658	17,408
TOTAL, 1960	594,446	308,730	103,146	53,713	54,621	35,880	22,866	17,019	26,658	17,408
TOTAL, 1959	177,486	98,454	28,962	20,251	12,303	7,790	10,473	7,705	42,133	29,159

SPECIES AND SIZE	JUNE		JULY		AUGUST		SEPTEMBER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:								
15 - 20. . . .	-	-	-	-	422	$295	-	-
21 - 25. . . .	9,340	$7,005	-	-	29,457	18,434	316	$196
26 - 30. . . .	5,919	4,069	9,155	$5,768	75,804	43,763	3,528	2,121
31 - 40. . . .	70,000	43,314	32,505	17,228	26,425	12,308	842	429
41 - 50. . . .	12,507	6,461	8,071	3,471	16,854	6,554	1,991	796
51 - 67. . . .	5,833	2,450	2,188	722	10,756	3,227	10,611	3,183
68 AND OVER. .	4,745	1,613	1,340	335	3,544	886	2,244	516
TOTAL . . .	108,344	64,912	53,259	27,524	163,262	85,467	19,532	7,241
WHITE:								
15 - 20. . . .	-	-	103	75	141	99	-	-
21 - 25. . . .	-	-	14,619	9,940	10,426	6,495	10,640	6,589
26 - 30. . . .	3,502	2,381	70,520	44,429	19,978	11,520	60,319	34,935
31 - 40. . . .	52	32	68,318	36,208	6,684	3,110	82,268	41,955
41 - 50. . . .	-	-	19,490	8,380	4,860	1,920	24,332	9,743
51 - 67. . . .	6,318	2,338	8,635	2,849	2,176	653	73,178	21,953
68 AND OVER. .	-	-	10,247	2,562	1,458	364	20,705	4,762
TOTAL . . .	9,872	4,751	191,932	104,443	45,723	24,161	271,442	119,937
TOTAL, 1960	118,216	69,663	245,191	131,967	208,985	109,628	290,974	127,178
TOTAL, 1959	109,479	49,429	177,340	81,095	127,811	63,987	229,396	115,980

SPECIES AND SIZE	OCTOBER		NOVEMBER		DECEMBER		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:								
15 - 20. . . .	-	-	-	-	-	-	422	$295
21 - 25. . . .	-	-	-	-	-	-	39,113	25,635
26 - 30. . . .	-	-	-	-	-	-	94,406	55,721
31 - 40. . . .	-	-	-	-	-	-	129,772	73,279
41 - 50. . . .	-	-	-	-	-	-	39,423	17,282
51 - 67. . . .	-	-	-	-	-	-	29,388	9,582
68 AND OVER. .	-	-	-	-	-	-	11,873	3,350
TOTAL . . .	-	-	-	-	-	-	344,397	185,144
WHITE:								
15 - 20. . . .	-	-	-	-	-	-	39,976	24,973
21 - 25. . . .	96,512	$56,499	519,230	$316,477	451,620	$284,268	1,500,917	918,262
26 - 30. . . .	292,140	157,252	161,834	90,622	136,335	78,983	866,106	486,170
31 - 40. . . .	139,464	66,013	25,160	12,058	212,648	106,168	641,552	320,134
41 - 50. . . .	57,016	22,624	34,125	13,648	110,035	45,093	321,137	130,810
51 - 67. . . .	88,220	27,395	10,542	2,952	29,201	8,761	273,356	84,442
68 AND OVER. .	12,482	2,871	306	70	1,470	368	56,002	13,373
TOTAL . . .	685,834	332,654	751,197	435,827	941,309	523,641	3,699,046	1,978,164
TOTAL, 1960	685,834	332,654	751,197	435,827	941,309	523,641	4,043,443	2,163,308
TOTAL, 1959	480,900	220,986	626,369	322,718	662,621	342,848	2,685,273	1,360,402

NOTE:--ALL WEIGHTS ARE ON HEADS-OFF BASIS. THE SIZE INDICATES THE NUMBER OF HEADS-OFF SHRIMP TO THE POUNDS. TO CONVERT TO HEADS-ON MULTIPLY BY 1.68 FOR BROWN, PINK AND WHITE.

SECTION 6 - GULF FISHERIES

The commercial catch of fish and shellfish landed at ports of the Gulf States (West Coast of Florida, Alabama, Mississippi, Louisiana, and Texas) during 1960 amounted to a record 1.3 billion pounds with an ex-vessel value of nearly $85.5 million. Both the volume (up nearly 111 million pounds) and the value (up $7.8 million) were 10 percent greater than in 1959. Louisiana again led in volume, while Texas maintained its lead in value. Each of the other Gulf States also showed an increase in value over 1959. The largest percentage gain in volume was in Mississippi, where landings were up 24 percent, while Alabama, down 14 percent, was the only Gulf State registering a decline. Louisiana accounted for 45 percent of the total Gulf landings. Mississippi was next with 25 percent, followed by Texas with 19 percent; the West Coast of Florida, 10 percent; and Alabama, 1 percent.

Five items accounted for nearly 90 percent of the Gulf catch in 1960. Menhaden, the principal species taken, were abundant and yielded a catch of 841 million pounds--an increase of 89 million pounds over the previous year. The catch of shrimp--206 million pounds--was up 6 percent; crabs, 36 million pounds, were up 21 percent; and oysters, 16 million pounds of meats, were up 17 percent. Among the five items, only mullet showed a decline--the catch of 32 million pounds was 1 percent less than in 1959.

The 743 fishery wholesaling and manufacturing establishments operated in the Gulf during 1960 employed about 18,000 persons, and produced fishery products valued at $149 million--about $26 million more than in the previous year. Principally responsible for the gain was an increase in the production of breaded shrimp and individually frozen peeled and deveined shrimp.

Weather conditions along the Gulf Coast were about normal, and there was no unusual interruption in fishing because of severe freezes or winter "northers." Early in September, hurricane Donna struck the Florida Keys, inflicting heavy damage to the spiny lobster fishery, and causing some damage to shore establishments in the lower peninsula. After passing into the Gulf, the storm took a more northerly course along the west coast of the State, passing inland south of Tampa. Damage in this area was not extensive. As is sometimes the case, good shrimp fishing followed the hurricane. A second hurricane, Ethel, struck the Mississippi Gulf Coast near Biloxi in late September, but the storm diminished greatly in intensity before striking land; and although debris hampered fishing operations for a short time, there was little damage to the fleet or to shore installations. Rainfall along the Gulf Coast was lighter than in 1959.

The shrimp fishery recovered slightly from the severe economic reversal suffered in 1959, when, although landings increased 12 percent, the value decreased 21 percent due to a sharp drop in ex-vessel prices. In contrast, in 1960, the volume was up 6 percent and the value increased 14 percent. Texas accounted for 40 percent of the total catch. Louisiana was next with 30 percent, followed by the West Coast of Florida with 22 percent; Mississippi, 5 percent; and Alabama, 3 percent. The Horn Island shrimp fishery off the Mississippi Coast was unprofitable. Shrimp were abnormally scarce, fishing effort was reduced as craft shifted to Texas grounds, and production declined 14 percent. In 1959, the harvesting of large quantities of small shrimp made this area very productive. Craft fishing in the Gulf of Mexico during 1960 made 6 percent more trips, and fished 6 percent more days than in the previous year. The Apalachicola area had a very good year--the 1960 catch increased 68 percent over 1959. However, much more fishing effort was required to take the catch, which included more small shrimp; more vessels were in the area than for several years, and the number of trips increased 24 percent.

During 1960, a record 14.7 million pounds of heads-off shrimp were landed at Florida ports from the Sanibel-Tortugas area, with only slightly greater effort than in 1959, but since small shrimp were more prevalent, they constituted a greater proportion of the catch, and resulted in a lower average price to the fishermen.

The area from the mouth of the Mississippi River to Texas produced 8 percent more shrimp than in the previous year, but 16 percent more trips and 21 percent more fishing days were required. Small shrimp (41-and-over count) made up a greater part of the catch than in the previous year.

Craft operating in waters off the Texas Coast caught 18 percent more shrimp in 1960, but as was true along the Louisiana Coast, approximately a 20-percent increase in trips and days fished was required to accomplish this. Compared with 1959, the 1960 catch was made up of considerably more small shrimp.

A decline in fishing activities off the Mexican Coast during 1960 resulted in a reduced catch from this area.

Industry concern over imports of shrimp continued. During 1960, these imports amounted to a record 113.4 million pounds, as received,--up 6 million pounds compared with the previous year. The estimated heads-on weight of the imported shrimp (197.5 million pounds) was only 52 million pounds less than the domestic catch of these shellfish. Concerted industry efforts, primarily through the National Shrimp Congress, were made to have legislation enacted to "provide for an orderly flow of imports to prevent the flooding of the domestic market."

Production of principal processed shrimp items was larger than in the previous year. Peeled and deveined shrimp, usually individually quick frozen, increased 45 percent; frozen raw headless, 35 percent; breaded, 32 percent; and canned, 16 percent. Increases were also noted in the production of speciality items such as stuffed shrimp, shrimpburgers, shrimp creole, and shrimp in a basket. Since imported shrimp are utilized in the production of peeled and deveined, breaded, and shrimp speciality items, it was not possible to determine the percentage of domestic landings used in these products.

Shrimp canning operations were at slightly higher levels than in the previous year, and the Gulf pack was 119,165 cases greater than in 1959. Plant operators, who were somewhat reluctant to go into full-scale production during the spring season because of inventories remaining from the previous year, found it difficult to obtain sufficient quantities of small shrimp to meet the market demands during the fall and winter months.

A shrimp grading machine, adaptable for both headless and heads-on shrimp, was developed to provide a fast, easy method for separating smaller size shrimp aboard vessels. A few of these graders were installed on trawlers operating out of Brownsville, Texas.

The mullet fishery did not materially improve during the year. Landings were only 1 percent less than in 1959, but more roe was salted because of a sagging market for fresh whole fish. The mullet fishery continued to be a serious problem.

Spotted sea trout landings were 4 percent less in 1960 than in 1959. All Gulf States except Texas registered declines when compared with the previous year.

The red snapper fishery remained almost static in 1960, but beneath the surface signs of trouble could be detected. The volume was unchanged from 1959, but the value declined 1 percent. Snapper fishermen have declined in numbers for several years. There was a tendency in 1960 to save the small snappers caught by the shrimp trawls rather than to go after the larger fish with lines. Despite financial difficulties, shrimp fishermen did not take advantage of the opportunity for extra income by an occasional snapper trip as readily as might be expected. This undoubtedly resulted from the failure of prices to keep pace with advancing costs over the past decade.

The year was a good one for the Spanish mackerel fishermen. Fish were plentiful along the West Coast of Florida in more than the usual numbers, and prices held up well. The purse seine and power block were introduced into the Florida mackerel fishery in 1960 on an experimental basis. Spotter planes were employed for the first time to locate schools of these fish. Industry spokesmen responsible for the development were expecting much greater production from the new venture. Florida normally produces practically all the mackerel in the Gulf since the vast resources around the mouth of the Mississippi and off Texas have never been exploited. The king mackerel run got off to a slow start because of cold weather, but the late run proved to be an excellent one, and prices held up well.

The menhaden industry experienced a good year. The fish were present in large numbers in areas where they could be easily taken, and the weather for the most part was favorable to fishing. The industry began the year with the threat of heavy imports and considerable carry over from the previous year; however, fish were plentiful and production in June, July, and August--the peak of the season--was considerably greater than the previous year. The extremely close margin on which the industry operated during 1960 forced economies in both the shore establishments and the vessel operations. The crews on the vessels were reduced substantially during 1960 by the use of the power block. As an example, in Louisiana, the number of vessels increased by 7 while the number of crewmen increased by only one man over the previous year. Less demand for solubles caused some of the firms to add solubles to meal. Imports did not materialize, but the constant threat kept prices of meal and oil at lower levels.

Oyster landings increased by more than 2 million pounds or 17 percent compared with 1959. Because of mortality of oysters in the Middle Atlantic States there was more demand for Gulf oysters. Texas reefs again produced a bumper crop as production in that State soared to near record highs. Landings at Texas ports were 63 percent greater in 1960 than in 1959. Improved condition of the reefs and a general improvement in the hydrological conditions along the Texas Coast accounted for some of the increase. Greater effort by fishermen was also a contributing factor. For example, Louisiana fishermen who for many years had not found it profitable to fish Texas oysters once again operated on Texas reefs.

Conditions in Louisiana were not so good despite the fact that Louisiana led all other Gulf States in oyster production. Canners did not take large quantities of the native oysters for canning, and some of the late planted reefs did not mature in time to catch the raw market, thus the decline in volume. A 14-percent decrease in the quantity canned was caused chiefly by heavy imports of canned oysters which reduced the prices for the domestic stock, and to some extent by heavy carry-overs from the previous year's operations.

In Alabama and the West Coast of Florida production increased to such an extent that prices declined. Most of the price reductions occurred late in the season when production was at its height, thus seriously affecting the economy of many communities. Despite the lowered prices to the fishermen in these two States, the prices for shucked fresh oysters held up very well. Lessened competition from eastern areas and the proximity to the markets were believed responsible.

Landings of blue crabs on the Gulf Coast during 1960 rose 21 percent. Chiefly responsible for the increase was the heavier catch along the West Coast of Florida where landings totaled 18.7 million pounds, up 4.8 million pounds compared with the previous year. Texas landings of 2.9 million pounds were more than double the previous year's production. Utilization of crab meat in such speciality items as stuffed shrimp and crabs contributed to the increased production. Despite the much heavier landings, prices held fairly stable throughout most of the year. There was a slight decrease in fishermen's prices in Florida and also in Texas, but the price of cooked, picked crab meat was up in Texas despite the increased production.

The spiny lobster fishery in the lower Florida peninsula was seriously disrupted by hurricane Donna. The result was heavy losses of gear and fishing time, thus reducing the landings by 19 percent. Prices increased almost 9 cents over the previous year. Decreased landings as the winter tourist season opened contributed to a stable market and the advanced price.

Fishery research continued to expand in the Gulf area during 1960. The National Institute of Health granted $104,000 to the University of Texas, and the National Science Foundation, $51,000 to the same University for studies in the field of Marine Science. The Director of the University's Institute of Marine Science indicated that the investigation would be centered around determining the potential of the resources of Texas beach and bay waters.

The State of Texas Marine Laboratory at Rockport carried on rather extensive investigations into the movement of shrimp along the Texas Coast through a staining program. Their oyster investigations in Galveston Bay were expanded during the year.

Louisiana began a rather ambitious research program on both oysters and shrimp. The new laboratory at Island Terre completed in 1960 appeared destined to become one of the great marine research centers of the Gulf. Staining programs on shrimp were carried out east and west of the Mississippi River. On the west side the evidence was rather conclusive that shrimp move in a southwesterly direction from the bays. East of the Mississippi River results were somewhat inconclusive.

In the field of oyster research, the State mainly devoted its efforts to the collection of hydrographic data and to studies of the oyster drill.

The Gulf Coast Research Laboratory at Ocean Springs, Mississippi, a division of the Institution of High Learning in Mississippi, completed a study on the menhaden fishery during 1960. The study showed conclusively that few fish other than menhaden are taken in purse seines, and of these, mullet appeared more often than any other. This resulted when sets were made on schools of mullet mistaken for menhaden.

A program for bedding 80,000 barrels of oyster shells was carried out in Mississippi during the year. The oysters were towed to the bedding grounds on barges and unloaded by water pressure. This was the first oyster shell planting in Mississippi in several years. Other studies by the State included tests to determine the effect of dredging operations on oyster reefs in Pascagoula and Biloxi Bays.

The Florida State Board of Conservation continued its rather broad research program on many segments of its marine fisheries. The Laboratory at St. Petersburg carried on extensive research on shrimp as did the Marine Laboratory of the University of Miami.

Efforts of a major union to organize shrimp fishermen of the lower Texas Coast failed as a result of a ruling of the National Labor Relations Board. The Board, which held hearings on the matter during the spring months at Brownsville, Texas, ruled that trawler captains were independent contractors and that fishermen were, therefore, not employees of the boat owner.

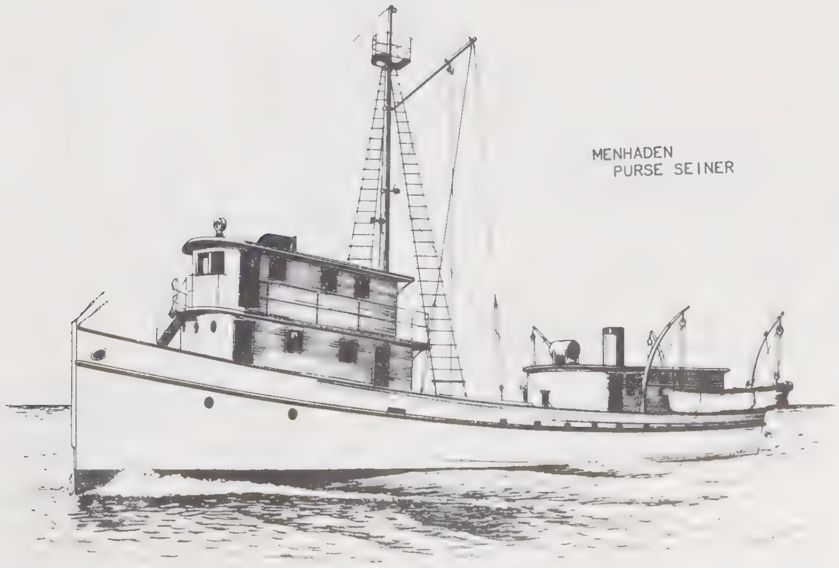
The Bureau of Commercial Fisheries continued its broad research program on fisheries of the Gulf. The Biological Laboratory at Galveston continued its studies of migration of shrimp and conducted an analysis of the biometrics of the shrimp fishery.

The Bureau's Technological Laboratory at Pascagoula, Mississippi continued the study of the composition of industrial fish for oil, moisture, and ash content by species. A shucking device for removing the meat from the shell of the calico scallop was developed. Laboratory personnel did considerable work on the development of standards for shrimp products which could be used by the industry. A method of canning sea bobs was perfected using fresh lemon juice concentrate. It was determined that iron from the can in which the sea bobs were canned tended to unite with the sulphite in the shrimp causing a black spot on the canned item rendering it unsightly to the consumer. Use of the lemon juice concentrate prevents this formation of the spot.

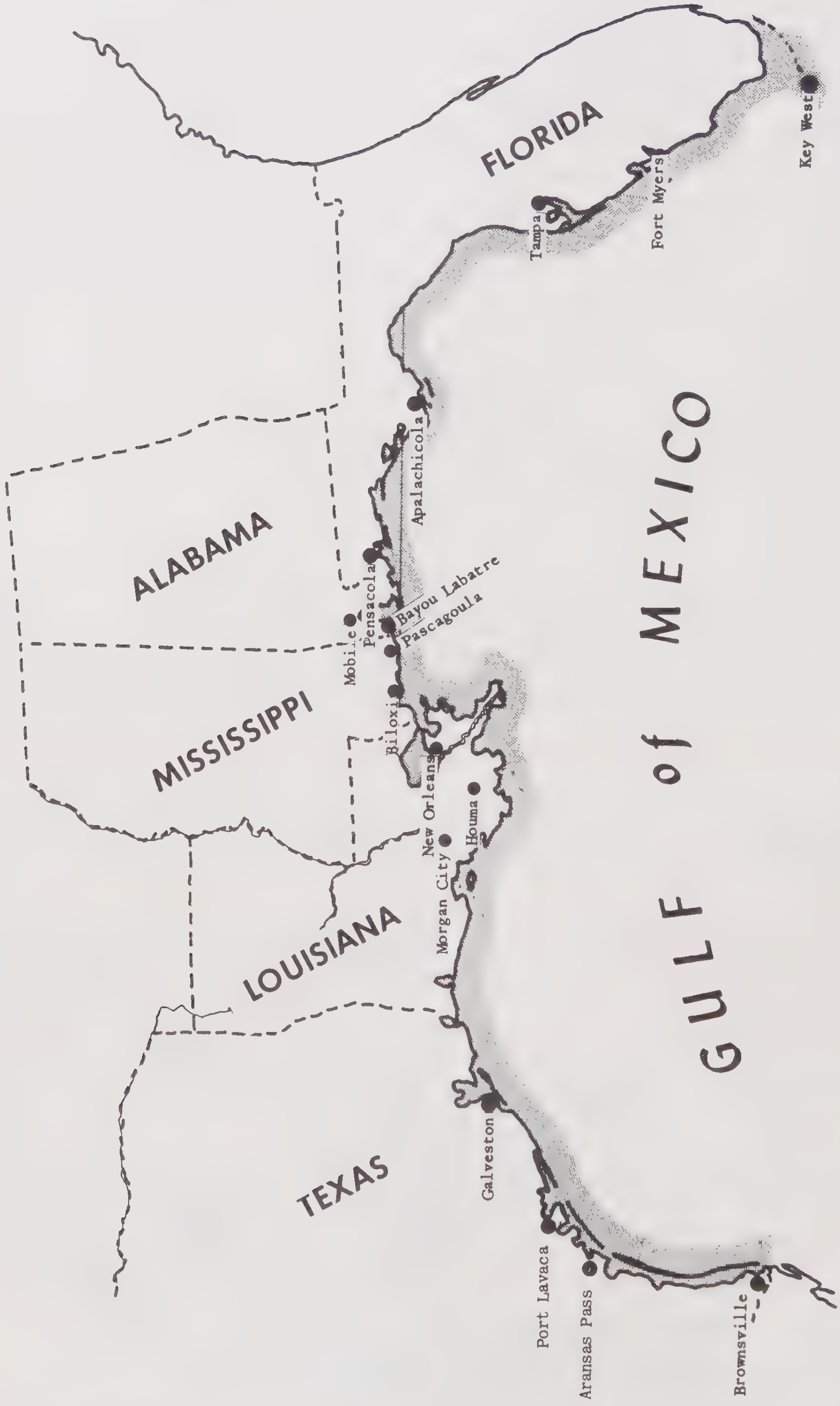
The only major legislative change in the Gulf during 1960 occurred in Mississippi where the Legislature abolished the Mississippi Seafood Commission and created in its place the Mississippi Marine Conservation Commission. Proposals were introduced in both Florida and Texas for reorganization of the conservation agency, but no definite action had been taken at the year's end.

Condensed summary data on operating units and catch by States appearing on the following pages have been previously published in Current Fishery Statistics bulletin No. 2694. Data on the catch and operating units of the East Coast of Florida and the entire State of Florida may be found in Section 5 of this Digest. Seasonal variations of the catch of fish and shellfish in Florida, Alabama, Mississippi, Louisiana, and Texas can be ascertained from monthly landing bulletins issued currently for these States in cooperation with the fishery agencies of each State. Additional aspects of the Gulf fisheries may be found in daily, monthly, and annual reports published by the Bureau's Fishery Market News Service, Federal Building, 600 South Street, New Orleans 12, Louisiana.

The Bureau acknowledges the assistance of the following organizations in the collection of the data appearing in this Section: Florida State Board of Conservation; Marine Laboratory, University of Miami; Alabama Department of Conservation, Commercial Seafoods Division; Mississippi Marine Conservation Commission; Louisiana Wild Life and Fisheries Commission; and Texas Game and Fish Commission.



GULF FISHERIES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Key West
Fort Myers
Tampa
Apalachicola
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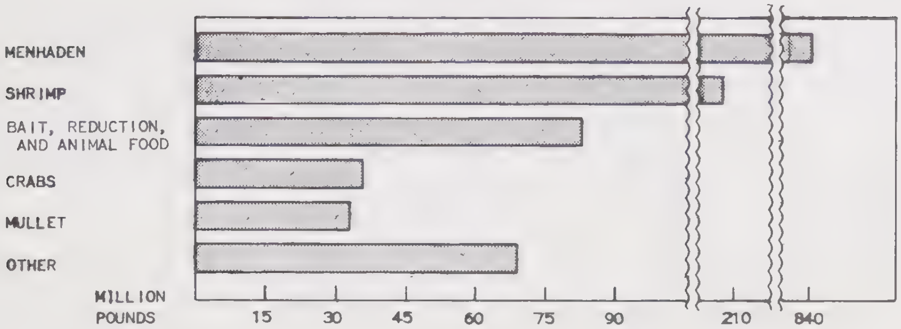
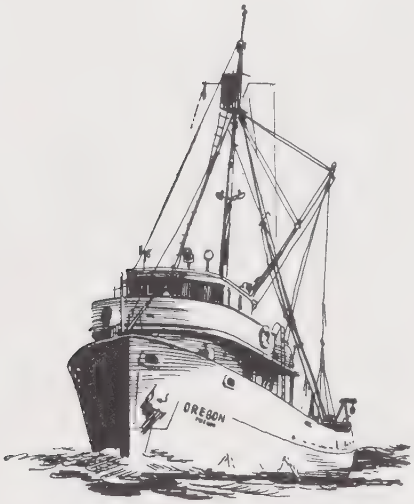
Bayou Labatre
Pascagoula
Mobile
Biloxi
New Orleans
Houma
Morgan City
Galveston
Port Lavaca
Aransas Pass
Brownsville

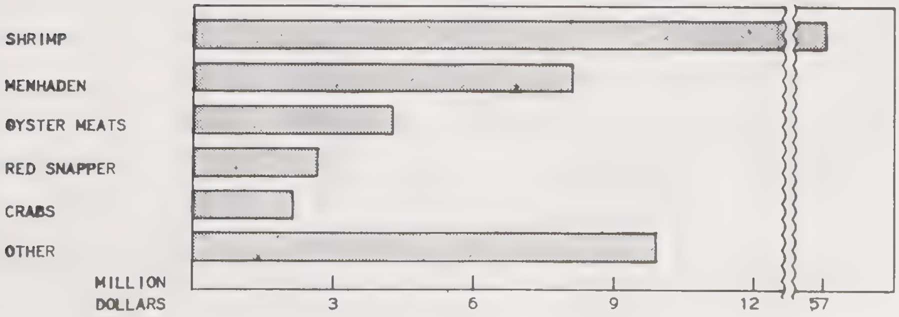
GULF FISHERIES

GULF STATES CATCH, 1960





VALUE OF GULF STATES CATCH, 1960



GULF FISHERIES

SECTIONAL SUMMARIES

SUMMARY OF CATCH, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

STATE	FISH		SHELLFISH, ETC.		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
FLORIDA, WEST COAST	67,815	6,219	67,720	14,829	135,535	21,048
ALABAMA	3,268	570	8,838	2,433	12,106	3,003
MISSISSIPPI	297,975	4,002	16,239	3,604	314,214	7,606
LOUISIANA	485,011	6,804	81,400	19,145	566,411	25,949
TEXAS	151,203	2,413	86,481	25,440	237,684	27,853
TOTAL	1,005,272	20,008	260,678	65,451	1,265,950	85,459

SUMMARY OF OPERATING UNITS, 1960

ITEM	FLORIDA, WEST COAST	ALABAMA	MISSISSIPPI	LOUISIANA	TEXAS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	3,327	659	1,792	4,888	4,789	11,420
ON BOATS AND SHORE:						
REGULAR	2,707	586	802	3,665	946	8,462
CASUAL	1,579	203	393	826	194	3,195
TOTAL	7,613	1,448	2,987	9,379	5,929	23,077
VESSELS, MOTOR	1,111	234	505	1,415	1,591	3,429
GROSS TONNAGE 1/	46,248	7,350	21,051	58,766	79,724	145,952
BOATS:						
MOTOR	3,001	502	937	3,292	765	8,285
OTHER	402	154	153	65	13	787
ACCESSORY BOATS	22	-	69	153	54	259
GEAR:						
HAUL SEINES, COMMON	51	4	-	16	24	95
LENGTH, YARDS	40,550	1,200	-	5,065	4,966	51,781
PURSE SEINES:						
MENHADEN	2	-	19	50	18	76
LENGTH, YARDS	800	-	7,895	20,176	9,000	32,450
OTHER	4	-	-	-	-	4
LENGTH, YARDS	800	-	-	-	-	800
OTTER TRAWLS:						
FISH	20	-	69	134	-	217
YARDS AT MOUTH	362	-	1,593	2,250	-	4,106
SHRIMP	1,739	552	1,029	4,135	3,386	8,261
YARDS AT MOUTH	26,607	8,130	13,817	58,005	50,991	118,128
HOOP AND FYKE NETS	-	560	-	11,317	10	11,887
POTS AND TRAPS:						
CRAB	34,300	3,000	5,150	300	7,099	49,849
CRAWFISH	-	-	-	5,060	-	5,060
FISH	90	250	-	-	-	340
LOBSTER, SPINY	54,640	-	-	-	-	54,640
GILL NETS:						
ANCHOR	-	-	-	67	92	159
SQUARE YARDS	-	-	-	44,871	49,236	94,107
DRIFT	46	-	-	-	-	46
SQUARE YARDS	217,500	-	-	-	-	217,500
RUNAROUND	1,034	9	4	-	-	1,047
SQUARE YARDS	1,436,435	5,400	2,400	-	-	1,444,235
TRAMMEL NETS	319	97	36	69	60	581
SQUARE YARDS	405,950	95,000	29,400	18,854	38,458	587,662
LINES:						
HAND	2,581	118	136	6,435	564	9,756
HOOKS	4,002	222	278	6,569	1,424	12,329
TROLL	1,180	-	-	-	-	1,180
HOOKS	1,180	-	-	-	-	1,180
LONG OR SET WITH HOOKS	12	-	-	966	141	1,119
HOOKS	2,090	-	-	356,725	302,300	661,115
TROT WITH BAITS	101	51	15	598	-	765
BAITS	59,160	25,500	7,500	321,770	-	413,930
SNAG	-	170	-	-	-	170
HOOKS	-	51,000	-	-	-	51,000

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1960 - Continued

ITEM	FLORIDA, WEST COAST	ALABAMA	MISSISSIPPI	LOUISIANA	TEXAS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
GEAR - CONTINUED:						
DIP NETS:						
COMMON	56	-	-	219	-	275
DROP	80	-	-	15,114	-	15,194
CAST NETS	39	-	6	-	-	45
SPEARS	50	19	6	9	102	186
DREDGES:						
OYSTER, COMMON	-	-	316	455	212	955
YARDS AT MOUTH	-	-	398	521	212	1,099
SCALLOP	47	-	-	-	-	47
YARDS AT MOUTH	50	-	-	-	-	50
TONGS:						
OYSTER	417	843	647	211	53	1,971
OTHER	3	-	-	-	-	3
FORKS	3	-	-	-	-	3
GRABS, FROG	-	-	-	117	-	117
BRUSH TRAPS	-	-	-	18,200	-	18,200
HOOKS:						
SPONGE	40	-	-	-	-	40
OTHER	3	-	-	-	-	3
DIVING OUTFITS	15	-	-	-	-	15

1/ PREVIOUSLY REPORTED AS NET TONNAGE.

CATCH BY STATES, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	FLORIDA, WEST COAST		ALABAMA		MISSISSIPPI	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	162	8	-	-	-	-
AMBERJACK	16	(1)	-	-	-	-
BALLYHOO	51	7	-	-	-	-
BARRACUDA	5	(1)	-	-	-	-
BLUEFISH	718	79	1	(1)	4	(1)
BLUE RUNNER	684	27	(1)	(1)	-	-
BONITO	1	(1)	-	-	-	-
BUFFALOFISH	-	-	36	5	-	-
CABIO	35	2	1	(1)	-	-
CATFISH AND BULLHEADS	29	4	33	9	-	-
CIGARFISH	213	15	-	-	-	-
CREVALLE	891	20	-	-	1	(1)
CROAKER	20	2	7	(1)	(1)	(1)
DOLPHIN	9	1	-	-	-	-
DRUM:						
BLACK	191	9	2	(1)	15	1
RED	817	98	9	1	39	6
FLOUNDERS	124	19	104	16	35	5
GROUPERS	5,923	663	236	36	115	17
GRUNTS	134	10	-	-	-	-
HOGFISH	18	3	-	-	-	-
JEWFISH	67	5	4	1	-	-
KING MACKEREL	1,785	182	-	-	-	-
KING WHITING OR "KINGFISH"	112	7	88	5	246	15
MENHADEN	6,580	60	-	-	218,644	2,198
MOJARRA	337	20	-	-	-	-
MULLET:						
BLACK	30,895	1,761	855	51	395	20
SILVER	423	30	-	-	-	-
PADDLEFISH	-	-	2	(1)	-	-
PERMIT	60	5	-	-	-	-
PIGFISH	(1)	(1)	-	-	-	-
POMPANO	529	344	4	1	(1)	(1)
SCUP OR PORGY	69	5	-	-	-	-

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	FLORIDA, WEST COAST		ALABAMA		MISSISSIPPI	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
SEA BASS, BLACK	(1)	(1)	-	-	-	-
SEA CATFISH	566	40	37	2	42	2
SEA TROUT OR WEAKFISH:						
SPOTTED	2,765	611	37	9	117	29
WHITE	78	8	25	1	26	1
SHARKS	2	(1)	-	-	-	-
SHEEPSHEAD:						
FRESH-WATER	2	(1)	17	2	-	-
SALT-WATER	182	15	17	1	48	4
SNAPPER:						
MANGROVE	263	42	-	-	-	-
MUTTON	94	20	-	-	-	-
RED	5,447	1,416	1,720	426	1,469	367
VERMILION	8	2	-	-	-	-
YELLOWTAIL	528	121	-	-	-	-
SPANISH MACKEREL	5,435	511	22	3	9	1
SPANISH SARDINE	19	(1)	-	-	-	-
SPOT	264	16	11	1	-	-
STURGEON	1	(1)	-	-	-	-
TENPOUNDER	503	15	-	-	-	-
TILEFISH	(1)	(1)	-	-	-	-
TRIGGERFISH	12	1	-	-	-	-
TRIPLETAIL	19	1	-	-	(1)	(1)
WARSAW	119	8	-	-	-	-
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	610	6	-	-	76,770	1,336
TOTAL FISH	67,815	6,219	3,268	570	297,975	4,002
SHELLFISH, ETC.						
CRABS:						
BLUE:						
HARD	18,648	895	499	26	2,812	169
SOFT AND PEELER	4	2	-	-	5	1
STONE	366	134	-	-	-	-
TOTAL CRABS	19,018	1,031	499	26	2,817	170
LOBSTERS, SPINY	2,129	820	-	-	-	-
SHRIMP	44,464	12,155	7,169	2,090	11,031	2,899
CLAMS, HARD, PUBLIC	18	6	-	-	-	-
CONCHS	22	5	-	-	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	871	210	737	169	1,670	366
FALL	637	167	432	148	511	123
PRIVATE:						
SPRING	254	61	-	-	210	46
FALL	169	45	-	-	-	-
TOTAL OYSTERS	1,931	483	1,169	317	2,391	535
SCALLOPS, BAY	56	14	-	-	-	-
SQUID	17	1	1	(1)	-	-
TURTLES:						
GREEN	20	3	-	-	-	-
LOGGERHEAD	7	1	-	-	-	-
TOTAL TURTLES	27	4	-	-	-	-
SPONGES:						
GRASS	1	2	-	-	-	-
SHEEPSWOOL	35	302	-	-	-	-
YELLOW	2	6	-	-	-	-
TOTAL SHELLFISH, ETC.	67,720	14,829	8,838	2,433	16,239	3,604
GRAND TOTAL	135,535	21,048	12,106	3,003	314,214	7,606

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	LOUISIANA		TEXAS		TOTAL	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	-	-	-	-	162	8
AMBERJACK	-	-	-	-	16	(1)
BALLYHOO	-	-	-	-	51	7
BARRACUDA	-	-	-	-	5	(1)
BLUEFISH	-	-	-	-	723	79
BLUE RUNNER	-	-	-	-	684	27
BONITO	-	-	-	-	1	(1)
BOWFIN	7	(1)	-	-	7	(1)
BUFFALOFISH	677	81	28	2	741	88
CABIO	-	-	4	(1)	40	2
CARP	15	1	-	-	15	1
CATFISH AND BULLHEADS	5,947	1,156	36	8	6,045	1,177
CIGARFISH	-	-	-	-	213	15
CREVALLE	-	-	-	-	892	20
CROAKER	35	2	17	1	79	5
DOLPHIN	-	-	-	-	9	1
DRUM:						
BLACK	190	11	1,520	121	1,918	142
RED	428	63	705	138	1,998	306
FLOUNDERS	85	9	173	46	521	95
GARFISH	334	17	-	-	334	17
GROUPERS	24	2	43	4	6,341	722
GRUNTS	-	-	-	-	134	10
HOGFISH	-	-	-	-	18	3
JEWFISH	20	2	13	1	104	9
KING MACKEREL	-	-	-	-	1,785	182
KING WHITING OR "KINGFISH"	283	15	34	2	763	44
MENHADEN	470,108	5,139	145,575	1,497	840,907	8,894
MOJARRA	-	-	-	-	337	20
MULLET:						
BLACK	22	1	118	3	32,285	1,836
SILVER	-	-	-	-	423	30
PADDLEFISH	11	1	-	-	13	1
PERMIT	-	-	-	-	60	5
PIGFISH	-	-	-	-	(1)	(1)
POMPANO	6	2	4	2	543	349
SAWFISH	11	1	-	-	11	1
SCUP OR PORGY	1	(1)	-	-	70	5
SEA BASS, BLACK	-	-	-	-	(1)	(1)
SEA CATFISH	39	2	19	2	703	48
SEA TROUT OR WEAKFISH:						
SPOTTED	417	92	1,277	277	4,613	1,018
WHITE	50	3	6	(1)	185	13
SHARKS	5	(1)	-	-	7	(1)
SHEEPSHEAD:						
FRESH-WATER	485	41	1	(1)	505	43
SALT-WATER	117	12	45	3	409	35
SKATES	2	(1)	-	-	2	(1)
SNAPPER:						
MANGROVE	2	(1)	-	-	265	42
MUTTON	-	-	-	-	94	20
RED	426	104	1,153	293	10,215	2,606
VERMILION	-	-	-	-	8	2
YELLOWTAIL	-	-	-	-	528	121
SNOOK	-	-	1	(1)	1	(1)
SPANISH MACKEREL	1	(1)	1	(1)	5,468	515
SPANISH SARDINE	-	-	-	-	19	(1)
SPOT	-	-	-	-	275	17
STURGEON	-	-	-	-	1	(1)
TENPOUNDER	-	-	-	-	503	15
TILEFISH	-	-	-	-	(1)	(1)
TRIGGERFISH	-	-	-	-	12	1
TRIPLETAIL	1	(1)	-	-	20	1
WARSAW	-	-	15	2	134	10
UNCLASSIFIED:						
FOR FOOD	-	-	19	1	19	1
BAIT, REDUCTION, AND ANIMAL FOOD	5,262	47	396	10	83,038	1,399
TOTAL FISH	485,011	6,804	151,203	2,413	1,005,272	20,008

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	LOUISIANA		TEXAS		TOTAL	
SHELLFISH, ETC.	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CRABS:						
BLUE:						
HARD	10,050	497	2,867	177	34,876	1,764
SOFT AND PEELER	514	256	2	(1)	525	259
STONE	-	-	1	1	367	135
TOTAL CRABS	10,564	753	2,870	178	35,768	2,158
CRAWFISH, FRESH-WATER	717	157	-	-	717	157
LOBSTERS, SPINY	-	-	-	-	2,129	820
SHRIMP	61,758	15,881	81,303	24,606	205,725	57,631
CLAMS, HARD, PUBLIC	-	-	-	-	18	6
CONCHS	-	-	-	-	22	5
OYSTERS, MARKET:						
PUBLIC:						
SPRING	519	142	1,524	384	5,321	1,271
FALL	64	22	708	250	2,352	710
PRIVATE:						
SPRING	6,674	1,714	48	14	7,186	1,835
FALL	1,054	426	16	7	1,239	478
TOTAL OYSTERS	8,311	2,304	2,296	655	16,098	4,294
SCALLOPS, BAY	-	-	-	-	56	14
SQUID	2	(1)	12	1	32	2
TURTLES:						
BABY	6	44	-	-	6	44
GREEN	6	(1)	-	-	26	3
LOGGERHEAD	-	-	-	-	7	1
SNAPPER	30	4	-	-	30	4
TOTAL TURTLES	42	48	-	-	69	52
FROGS	6	2	-	-	6	2
SPONGES:						
GRASS	-	-	-	-	1	2
SHEEPSWOOL	-	-	-	-	35	302
YELLOW	-	-	-	-	2	6
TOTAL SHELLFISH, ETC.	81,400	19,145	86,481	25,440	260,678	65,451
GRAND TOTAL	566,411	25,949	237,684	27,853	1,265,950	85,459

1/ LESS THAN 500 POUNDS OR $500.

SHRIMP TRAWLER

CATCH OF CERTAIN SHELLFISH, 1960

(NUMBER AND BUSHELS)

SPECIES		FLORIDA, WEST COAST		ALABAMA		MISSISSIPPI	
		QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CRABS:							
BLUE:							
HARD	NUMBER	38,415,498	$895,117	1,047,480	$26,022	6,129,070	$168,750
SOFT AND PEELER.	DO	16,800	2,100	-	-	18,179	643
STONE.	DO	365,900	134,285	-	-	-	-
CLAMS, HARD, PUBLIC.	U.S. STD. BUSHEL	2,312	5,920	-	-	-	-
CONCHS	DO	1,571	5,280	-	-	-	-
OYSTERS, MARKET:							
PUBLIC:							
SPRING	DO	197,965	209,911	166,014	169,361	437,970	365,953
FALL	DO	159,325	167,249	114,642	147,684	125,900	123,342
PRIVATE:							
SPRING	DO	57,613	60,992	-	-	55,188	46,200
FALL	DO	42,350	44,548	-	-	-	-
SCALLOPS, BAY. . . .	DO	10,712	13,925	-	-	-	-

SPECIES		LOUISIANA		TEXAS		TOTAL	
		QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CRABS:							
BLUE:							
HARD	NUMBER	20,099,400	$497,282	4,672,395	$176,363	70,363,843	$1,763,534
SOFT AND PEELER.	DO	1,540,800	255,517	6,513	412	1,582,292	258,672
STONE.	DO	-	-	1,000	375	366,900	134,660
CLAMS, HARD, PUBLIC.	U.S. STD. BUSHEL	-	-	-	-	2,312	5,920
CONCHS	DO	-	-	-	-	1,571	5,280
OYSTERS, MARKET:							
PUBLIC:							
SPRING	DO	112,100	142,006	279,222	383,587	1,193,271	1,270,818
FALL	DO	14,613	22,042	162,007	249,792	576,487	710,109
PRIVATE:							
SPRING	DO	1,450,891	1,713,829	8,224	14,313	1,571,916	1,835,334
FALL	DO	250,976	426,120	3,705	6,840	297,031	477,508
SCALLOPS, BAY. . . .	DO	-	-	-	-	10,712	13,925

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

AVERAGE WEIGHTS OF CERTAIN SHELLFISH, 1960

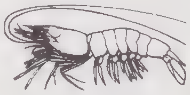
SPECIES		FLORIDA, WEST COAST	ALABAMA	MISSISSIPPI	LOUISIANA	TEXAS
		QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
CRABS:						
BLUE:						
HARD	NUMBER PER POUND	2.06	2.10	2.18	2.00	1.63
SOFT AND PEELER.	DO	4.00	-	3.43	3.00	3.43
STONE.	DO	1.00	-	-	-	1.00
CLAMS, HARD, PUBLIC.	LBS. MEATS PER U.S. STD. BUSHEL	8.00	-	-	-	-
CONCHS	DO	14.00	-	-	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	DO	4.40	4.44	3.81	4.63	5.46
FALL	DO	4.00	3.77	4.06	4.35	4.37
PRIVATE:						
SPRING	DO	4.40	-	3.80	4.60	5.80
FALL	DO	4.00	-	-	4.20	4.40
SCALLOPS, BAY. . . .	DO	5.20	-	-	-	-

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

TRANSPORTING, WHOLESALING, AND MANUFACTURING, 1960

ITEM	FLORIDA, WEST COAST	ALABAMA	MISSISSIPPI	LOUISIANA	TEXAS	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
TRANSPORTING:						
PERSONS ENGAGED, ON BOATS.	138	-	-	-	-	138
BOATS, MOTOR	138	-	-	-	-	138
WHOLESALING AND MANUFACTURING:						
ESTABLISHMENTS	280	61	54	205	143	743
PERSONS ENGAGED:						
AVERAGE FOR SEASON	3,738	814	1,575	5,740	5,828	17,695
AVERAGE FOR YEAR	2,483	564	1,092	3,071	4,049	11,259
FISHERMEN MANUFACTURING.	-	145	-	-	-	145

NOTE:--BOATS AND VESSELS ENGAGED IN TRANSPORTING AND FISHING ARE INCLUDED ONLY AS FISHING CRAFT. OF THE TOTAL NUMBER OF PERSONS OPERATING ON TRANSPORTERS, 138 ENGAGED IN FISHING AND HAVE ALSO BEEN INCLUDED AS FISHERMEN.



MANUFACTURED FISHERY PRODUCTS, 1960

ITEM		FLORIDA, WEST COAST		ALABAMA		MISSISSIPPI	
		QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
GROUPER:							
FRESH FILLETS AND STEAKS . . .	POUNDS	215,756	$91,672	(1)	(1)	-	-
FROZEN FILLETS AND STEAKS. . .	DO	30,590	12,474	(1)	(1)	-	-
MENHADEN:							
DRY SCRAP AND MEAL	TONS	(1)	(1)	-	-	21,037	$1,893,340
OIL.	GALLONS	(1)	(1)	-	-	2,860,400	1,432,600
SOLUBLES	TONS	(1)	(1)	-	-	8,420	336,820
MULLET, SALTED:							
FISH	POUNDS	361,271	42,411	-	-	-	-
ROE.	DO	14,450	10,637	-	-	-	-
SNAPPER, RED:							
FRESH FILLETS AND STEAKS . . .	DO	17,738	12,843	(1)	(1)	-	-
FROZEN FILLETS AND STEAKS. . .	DO	19,265	14,582	(1)	(1)	-	-
CRABS, BLUE:							
COOKED MEAT, FRESH AND FROZEN.	DO	1,827,744	1,677,098	66,603	$56,692	365,300	365,300
SPECIALTIES, FROZEN (CAKES, DEVILED, DRESSED, LOAVES, AND STUFFED).	DO	-	-	(1)	(1)	(1)	(1)
CRABS, STONE, (FROZEN CLAWS) . .	DO	19,940	14,025	-	-	-	-
SHRIMP:							
FRESH AND FROZEN:							
RAW, HEADLESS.	DO	11,174,614	6,825,841	848,340	572,530	2,191,000	1,533,700
RAW, PEELED (INCLUDING DEVEINED)	DO	3,382,258	3,367,157	-	-	-	-
BREADED.	DO	8,060,274	6,098,148	(1)	(1)	-	-
CANNED	STANDARD CASES	-	-	(1)	(1)	232,844	4,781,318
OYSTERS:							
SHUCKED, FRESH AND FROZEN. . .	GALLONS	173,531	959,810	84,873	471,050	49,850	314,600
CANNED	STANDARD CASES	-	-	(1)	(1)	63,830	979,279
SCALLOPS, BAY, SHUCKED	GALLONS	5,716	35,334	-	-	-	-
UNCLASSIFIED, PRODUCTS:							
PACKAGED FISH AND SHELLFISH, FROZEN.	POUNDS	2/1,062,024	2/532,207	3/3,013,409	3/1,351,429	(4)	(4)
CANNED ANIMAL FOOD	STANDARD CASES	-	-	-	-	2,933,772	14,425,922
MISCELLANEOUS.	-	-	7/149,364	-	8/3,519,785	-	9/307,815
TOTAL	-	-	19,843,603	-	5,971,486	-	26,370,694

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

MANUFACTURED FISHERY PRODUCTS, 1960 - Continued

ITEM		LOUISIANA		TEXAS	
		QUANTITY	VALUE	QUANTITY	VALUE
MENHADEN:					
DRY SCRAP AND MEAL	TONS	49,110	$4,419,333	(1)	(1)
OIL.	GALLONS	7,519,377	3,642,385	(1)	(1)
SOLUBLES	TONS	14,363	502,691	(1)	(1)
SNAPPER, RED, FROZEN FILLETS AND STEAKS.	POUNDS	-	-	(1)	(1)
CRABS, BLUE:					
COOKED MEAT, FRESH AND FROZEN.	DO	505,042	524,766	389,550	$399,121
SPECIALTIES, FROZEN (CAKES, DEVILED, DRESSED, LOAVES, AND STUFFED).	DO	441,442	295,159	-	-
CRABS, STONE (FROZEN CLAWS). . .	DO	-	-	(1)	(1)
SHRIMP:					
FRESH AND FROZEN:					
RAW, HEADLESS.	DO	19,881,491	11,963,755	40,634,648	24,367,026
RAW, PEELED (INCLUDING DEVEINED)	DO	1,030,574	941,704	6,291,964	6,210,326
COOKED, PEELED	DO	1,446,999	2,379,144	-	-
BREADED.	DO	1,921,066	1,271,655	30,542,678	18,238,116
SPECIALTIES (BURGERS, GUMBO, STUFFED, AND MISCELLANEOUS)	DO	707,866	452,092	(1)	(1)
CANNED	STANDARD CASES	573,354	10,071,609	(1)	(1)
SUN-DRIED.	POUNDS	710,146	795,861	-	-
MEAL AND BRAN.	TONS	155	8,590	-	-
OYSTERS:					
SHUCKED, FRESH AND FROZEN. . .	GALLONS	246,015	1,661,887	157,736	911,084
CANNED	STANDARD CASES	186,693	2,436,811	-	-
UNCLASSIFIED PRODUCTS:					
PACKAGED FISH AND SHELLFISH, FROZEN.	POUNDS	5/466,536	5/236,867	6/346,827	6/185,691
CANNED ANIMAL FOOD	STANDARD CASES	-	-	(4)	(4)
MISCELLANEOUS.	-	-	10/227,738	-	11/4,863,828
TOTAL	-	-	41,832,047	-	55,175,192

1/ INCLUDED WITH "UNCLASSIFIED PRODUCTS." 2/ INCLUDES FROZEN FILLETS OF POMPANO, RED DRUM, SEA TROUT, SPANISH MACKEREL, AND WARSAW; COOKED SPINY LOBSTER; SHUCKED HARD CLAMS; BREADED OYSTERS AND SCALLOPS; TURTLE STEAKS; AND SHELLFISH DINNERS. 3/ INCLUDES FRESH AND FROZEN FILLETS AND STEAKS OF GROUPER AND RED SNAPPER; FROZEN FISH PORTIONS, FISH STICKS, CRAB ROLLS, DEVILED CRABS, AND BREADED SHRIMP. 4/ INCLUDED WITH MISCELLANEOUS PRODUCTS. 5/ INCLUDES STUFFED FLOUNDER, RED SNAPPER, CROQUETTES, SPINY LOBSTER BISQUE, BREADED OYSTERS, OYSTER BURGERS, OYSTER DRESSING, STUFFED OYSTERS, AND SHELLFISH GUMBO. 6/ INCLUDES FROZEN FILLETS OF BLACK AND RED DRUM, RED SNAPPER, AND SEA TROUT; FROZEN DEVILED CRAB, SHRIMP COCKTAIL, STONE CRAB CLAWS, BREADED OYSTERS, AND SHELLFISH GUMBO. 7/ INCLUDES THE VALUE OF CANNED THREAD HERRING, CONCH CHOWDER, AND TURTLE CHOWDER; MENHADEN MEAL, OIL, AND SOLUBLES; AND CRAB BACK SHELLS. 8/ INCLUDES THE VALUE OF CANNED CRAB MEAT, SHRIMP, AND OYSTERS; AND OYSTER-SHELL POULTRY GRIT. 9/ INCLUDES THE VALUE OF FROZEN STUFFED CRABS; CANNED CRAB MEAT; UNCLASSIFIED FISH MEAL; AND CRAB MEAL. 10/ INCLUDES THE VALUE OF CANNED CRAB MEAT, SHRIMP CREOLE, SHRIMP GUMBO, CRAWFISH BISQUE, TURTLE SOUP, AND SHELLFISH GUMBO; AND UNCLASSIFIED FISH MEAL. 11/ INCLUDES THE VALUE OF CANNED SHRIMP AND ANIMAL FOOD; MENHADEN MEAL, OIL, AND SOLUBLES; CRAB BACK SHELLS; AND OYSTER SHELL POULTRY GRIT AND LIME.

NOTE:--SOME OF THE ABOVE PRODUCTS MAY HAVE BEEN MANUFACTURED FROM RAW PRODUCTS IMPORTED FROM ANOTHER STATE OR A FOREIGN COUNTRY; THEREFORE, THEY CANNOT BE CORRELATED DIRECTLY WITH THE CATCH WITHIN THE STATE.

SUMMARY OF PRODUCTION, BY COMMODITIES, 1960

SUMMARY OF ITEMS		QUANTITY	VALUE
PACKAGED, FRESH AND FROZEN:			
NOT BREADED:			
FISH	POUNDS	1,027,388	$387,151
SHELLFISH.	DO	96,495,974	65,673,062
BREADED FISH AND SHELLFISH . .	DO	43,037,980	26,480,851
SPECIALTIES.	DO	2,627,254	1,808,821
CANNED	STANDARD CASES	4,103,126	34,417,514
CURED (SALTED)	POUNDS	375,721	53,048
SUN-DRIED SHRIMP	DO	710,146	795,861
BYPRODUCTS	-	-	19,576,714
TOTAL	-	-	149,193,022

SUMMARY OF VALUE, BY STATES, 1960

STATE	VALUE
FLORIDA, WEST COAST.	$19,843,603
ALABAMA.	5,971,486
MISSISSIPPI.	26,370,694
LOUISIANA.	41,832,047
TEXAS.	55,175,192
TOTAL	149,193,022

FLORIDA - WEST COAST

OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	PURSE SEINES		OTTER TRAWLS		POTS AND TRAPS		
		MENHADEN	OTHER	FISH	SHRIMP	CRAB	FISH	LOBSTER, SPINY
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS	71	48	-	37	2,119	-	-	29
ON BOATS AND SHORE:								
REGULAR	177	-	8	-	140	266	3	192
CASUAL	20	-	-	-	6	16	-	18
TOTAL	268	48	8	37	2,265	282	3	239
VESSELS, MOTOR	10	2	-	13	869	-	-	16
GROSS TONNAGE	122	262	-	533	41,959	-	-	171
BOATS:								
MOTOR	48	-	4	-	90	260	3	152
OTHER	22	-	-	-	-	-	-	-
ACCESSORY BOATS	16	6	-	-	-	-	-	-
GEAR:								
NUMBER	51	2	4	20	1,739	34,300	90	54,640
LENGTH, YARDS	40,550	800	800	-	-	-	-	-
YARDS AT MOUTH	-	-	-	362	26,607	-	-	-

ITEM	GILL NETS		TRAMMEL NETS	LINES				DIP NETS
	DRIFT	RUN-AROUND		HAND	TROLL	LONG OR SET WITH HOOKS	TROT WITH BAITS	COMMON
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS	-	132	21	901	44	-	-	-
ON BOATS AND SHORE:								
REGULAR	78	1,113	386	461	224	5	95	-
CASUAL	1	139	8	1,113	471	2	-	56
TOTAL	79	1,384	415	2,475	739	7	95	56
VESSELS, MOTOR	-	36	10	179	17	-	-	-
GROSS TONNAGE	-	437	86	3,301	185	-	-	-
BOATS:								
MOTOR	42	696	278	1,165	488	7	95	54
OTHER	-	335	30	-	-	-	-	-
ACCESSORY BOATS	-	1	-	-	-	-	-	-
GEAR:								
NUMBER	46	1,034	319	2,581	1,180	12	101	56
HOOKS AND BAITS	-	-	-	4,002	1,180	2,090	59,160	-
SQUARE YARDS	217,500	1,436,435	405,950	-	-	-	-	-

ITEM	DIP NETS-CONT'D.	CAST NETS	SPEARS	DREDGES, SCALLOP	TONGS		FORKS
	DROP				OYSTER	OTHER	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	-	-	-	14	-	-	-
ON BOATS AND SHORE:							
REGULAR	-	6	48	27	410	3	3
CASUAL	8	33	2	2	7	-	-
TOTAL	8	39	50	43	417	3	3
VESSELS, MOTOR	-	-	-	4	-	-	-
GROSS TONNAGE	-	-	-	175	-	-	-
BOATS:							
MOTOR	8	19	50	27	392	3	3
OTHER	-	11	-	-	8	-	-
GEAR:							
NUMBER	80	39	50	47	417	3	3
YARDS AT MOUTH	-	-	-	50	-	-	-

ITEM	HOOKS		DIVING OUTFITS		BY HAND		TOTAL, EXCLUSIVE OF DUPLICATION
	SPONGE	OTHER	SPONGE	OTHER	OYSTER	OTHER	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	-	-	60	-	-	-	3,327
ON BOATS AND SHORE:							
REGULAR	58	3	12	-	8	11	2,707
CASUAL	-	-	-	3	7	-	1,579
TOTAL	58	3	72	3	15	11	7,613
VESSELS, MOTOR	-	-	10	-	-	-	1,111
GROSS TONNAGE	-	-	144	-	-	-	46,248
BOATS:							
MOTOR	6	2	2	2	14	9	3,001
OTHER	17	-	-	-	-	-	402
ACCESSORY BOATS	-	-	-	-	-	-	22
GEAR, NUMBER	40	3	12	3	-	-	-

FLORIDA, WEST COAST - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	131,900	$6,595	-	-	-	-
BALLYHOO	-	-	51,000	$7,140	-	-
BLUEFISH	96,800	10,648	-	-	-	-
BLUE RUNNER	259,200	10,368	-	-	-	-
CIGARFISH	177,400	12,418	-	-	-	-
CREVALLE	400,800	8,817	-	-	-	-
CROAKER	4,700	352	-	-	-	-
DRUM:						
BLACK	75,600	3,402	-	-	-	-
RED	110,100	13,212	-	-	-	-
FLOUNDERS	16,800	2,520	-	-	73,200	$10,980
GROUPERS	200	22	-	-	-	-
GRUNTS	400	30	-	-	-	-
KING MACKEREL	9,200	938	-	-	-	-
KING WHITING OR "KINGFISH"	14,100	917	-	-	61,600	4,004
MENHADEN	5,400	134	6,568,600	59,774	-	-
MOJARRA	91,800	5,508	-	-	-	-
MULLET:						
BLACK	5,190,600	295,864	-	-	-	-
SILVER	7,300	511	-	-	-	-
PERMIT	4,200	378	-	-	-	-
PIGFISH	200	20	-	-	-	-
POMPANO	15,400	10,010	-	-	-	-
SEA CATFISH	402,600	28,182	-	-	4,400	308
SEA TROUT OR WEAKFISH:						
SPOTTED	255,300	56,421	-	-	-	-
WHITE	25,100	2,510	-	-	900	90
SHEEPSHEAD, SALT-WATER	16,900	1,352	-	-	-	-
SNAPPER, MANGROVE	1,600	256	-	-	-	-
SPANISH MACKEREL	302,400	28,425	-	-	-	-
SPANISH SARDINE	19,200	384	-	-	-	-
SPOT	107,900	6,474	-	-	7,200	432
STURGEON	-	-	-	-	200	30
TENPOUNDER	396,600	11,898	-	-	-	-
TRIPLETAIL	15,300	964	-	-	3,200	201
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	610,200	6,102
CRABS, BLUE, HARD	-	-	-	-	16,600	797
LOBSTERS, SPINY	-	-	-	-	24,800	9,548
SHRIMP	-	-	-	-	44,463,700	12,154,889
SQUID	-	-	-	-	16,600	1,328
TURTLES, GREEN	-	-	-	-	400	60
TOTAL	8,155,000	519,530	6,619,600	66,914	45,283,000	12,188,769

SPECIES	POTS AND TRAPS		GILL NETS			
			DRIFT		RUNAROUND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	-	-	30,300	$1,515
BLUEFISH	-	-	3,600	$396	435,400	47,894
BLUE RUNNER	-	-	-	-	337,700	13,508
CATFISH	7,300	$1,095	-	-	-	-
CIGARFISH	-	-	-	-	35,500	2,485
CREVALLE	-	-	-	-	297,600	6,547
CROAKER	-	-	-	-	9,100	682
DRUM:						
BLACK	-	-	-	-	65,900	2,965
RED	-	-	-	-	495,900	59,508
FLOUNDERS	-	-	-	-	9,700	1,464
GRUNTS	-	-	-	-	1,100	80
KING MACKEREL	-	-	-	-	12,600	1,285
KING WHITING OR "KINGFISH"	-	-	-	-	18,600	1,209
MENHADEN	-	-	-	-	6,400	160
MOJARRA	-	-	-	-	171,800	10,308
MULLET:						
BLACK	-	-	14,400	821	24,605,000	1,402,485
SILVER	-	-	1,000	70	410,200	28,714
PERMIT	-	-	-	-	42,400	3,816
POMPANO	-	-	8,900	5,785	49,300	32,045
SEA CATFISH	-	-	-	-	107,000	7,490
SEA TROUT OR WEAKFISH:						
SPOTTED	-	-	11,000	2,431	1,924,400	425,291
WHITE	-	-	-	-	43,300	4,330
SHARKS, UNCLASSIFIED	-	-	-	-	600	24

(CONTINUED ON NEXT PAGE)

FLORIDA, WEST COAST - CATCH BY GEAR, 1960 - Continued

SPECIES	POTS AND TRAPS		GILL NETS			
			DRIFT		RUNAROUND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SHEEPSHEAD, SALT-WATER	-	-	-	-	48,700	$3,896
SNAPPER, MANGROVE	-	-	-	-	40,100	6,416
SPANISH MACKEREL	-	-	581,000	$54,614	4,003,900	376,357
SPOT	-	-	-	-	97,700	5,862
STURGEON	-	-	-	-	800	120
TENPOUNDER	-	-	-	-	95,900	2,877
TRIPLETAIL	-	-	-	-	200	12
CRABS:						
BLUE:						
HARD	17,342,800	$832,453	-	-	-	-
SOFT AND PEELER	4,200	2,100	-	-	-	-
STONE	361,900	132,817	-	-	-	-
LOBSTERS, SPINY	2,096,400	807,114	-	-	-	-
TURTLES:						
GREEN	-	-	-	-	19,600	2,940
LOGGERHEAD	-	-	-	-	7,200	1,080
TOTAL	19,812,600	1,775,579	619,900	64,117	33,423,900	2,453,375

SPECIES	TRAMMEL NETS		LINES			
			HAND		TROLL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	100	$5	-	-
AMBERJACK	-	-	14,800	444	1,600	$48
BARRACUDA	-	-	3,500	140	1,300	52
BLUEFISH	86,900	$9,559	52,100	5,731	43,200	4,752
BLUE RUNNER	43,200	1,728	34,900	1,396	9,400	376
BONITO	-	-	-	-	900	54
CABIO	-	-	35,300	2,118	-	-
CREVALLE	85,500	1,882	104,500	2,297	3,000	66
CROAKER	800	60	5,900	442	-	-
DOLPHIN	-	-	500	45	8,700	783
DRUM:						
BLACK	9,900	445	39,900	1,793	-	-
RED	44,000	5,280	167,000	20,040	-	-
FLOUNDERS	7,100	1,065	4,900	735	-	-
GROUPERS	-	-	5,922,500	663,319	-	-
GRUNTS	200	15	132,700	9,687	-	-
HOGFISH	-	-	17,700	2,832	-	-
JEWFISH	-	-	66,800	4,676	-	-
KING MACKEREL	-	-	4,000	408	1,758,800	179,397
KING WHITING OR "KINGFISH"	3,200	209	15,000	975	-	-
MOJARRA	21,100	1,266	52,600	3,156	-	-
MULLET:						
BLACK	1,046,600	59,657	-	-	-	-
SILVER	4,300	301	-	-	-	-
PERMIT	3,600	324	9,400	846	-	-
POMPANO	454,200	295,180	1,100	715	-	-
SEA BASS	-	-	100	12	-	-
SEA CATFISH	29,600	2,072	21,900	1,533	-	-
SEA TROUT OR WEAKFISH:						
SPOTTED	336,100	74,278	203,400	44,950	34,400	7,601
WHITE	4,900	490	3,900	390	100	10
SHARKS, UNCLASSIFIED	-	-	3,100	124	-	-
SHEEPSHEAD, SALT-WATER	13,000	1,040	103,800	8,304	-	-
SNAPPER:						
MANGROVE	10,100	1,616	210,800	33,728	-	-
MUTTON	-	-	93,900	20,188	-	-
RED	-	-	5,447,000	1,416,220	-	-
VERMILION	-	-	8,200	1,640	-	-
WHITE	-	-	68,600	4,802	-	-
YELLOWTAIL	-	-	527,600	121,348	-	-
SPANISH MACKEREL	63,400	5,960	277,300	26,065	207,100	19,467
SPOT	12,400	744	38,400	2,304	-	-
TENPOUNDER	6,000	180	4,200	126	-	-
TILEFISH	-	-	200	20	-	-
TRIGGERFISH	-	-	11,900	714	-	-
TRIPLETAIL	-	-	200	13	-	-
WARSAW	-	-	118,900	8,323	-	-
TOTAL	2,286,100	463,351	13,828,600	2,412,604	2,068,500	212,606

(CONTINUED ON NEXT PAGE)

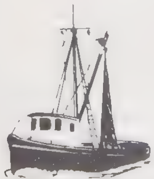
FLORIDA, WEST COAST - CATCH BY GEAR, 1960 - Continued

SPECIES	LINES - CONTINUED				DIP NETS	
	LONG OR SET WITH HOOKS		TROT WITH BAITS			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH	21,900	$3,285	-	-	-	-
CRABS, BLUE, HARD	-	-	1,288,900	$61,867	-	-
LOBSTERS, SPINY	-	-	-	-	7,400	$2,849
TOTAL	21,900	3,285	1,288,900	61,867	7,400	2,849

SPECIES	CAST NETS		SPEARS		DREDGES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS	-	-	12,400	$1,860	-	-
MULLET:						
BLACK	38,100	$2,173	-	-	-	-
SILVER	100	7	-	-	-	-
SPOT	200	12	-	-	-	-
SCALLOPS, BAY	-	-	-	-	55,600	$13,900
TOTAL	38,400	2,192	12,400	1,860	55,600	13,900

SPECIES	TONGS		FORKS		HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CRABS, STONE	-	-	-	-	4,000	$1,468
CLAMS, HARD, PUBLIC	16,600	$5,312	1,900	$608	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	864,100	208,286	-	-	-	-
FALL	631,100	165,699	-	-	-	-
PRIVATE:						
SPRING	253,500	60,992	-	-	-	-
FALL	169,400	44,548	-	-	-	-
SCALLOPS, BAY	-	-	100	25	-	-
SPONGES:						
GRASS	-	-	-	-	300	743
SPEEPSWOOL	-	-	-	-	5,700	42,625
YELLOW	-	-	-	-	800	2,735
TOTAL	1,934,700	484,837	2,000	633	10,800	47,571

SPECIES	DIVING OUTFITS		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE
LOBSTERS, SPINY	500	$192	-	-
CONCHS	-	-	22,000	$5,280
OYSTERS, MARKET, PUBLIC:				
SPRING	-	-	6,500	1,625
FALL	-	-	6,200	1,550
SPONGES:				
GRASS	200	819	-	-
SHEEPSWOOL	29,300	259,075	-	-
YELLOW	1,000	3,500	-	-
TOTAL	31,000	263,586	34,700	8,455



SHRIMP TRAWLER

FLORIDA, WEST COAST - OPERATING UNITS BY COUNTIES, 1960

ITEM	BAY	CHARLOTTE	CITRUS	COLLIER	DIXIE	ESCAMBIA AND SANTA ROSA	FRANKLIN
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	261	20	-	109	-	227	403
ON BOATS AND SHORE:							
REGULAR	82	76	96	145	79	120	373
CASUAL	43	19	20	127	35	35	33
TOTAL	385	115	116	381	114	382	809
VESSELS, MOTOR	41	7	-	38	-	41	127
GROSS TONNAGE	863	242	-	749	-	1,315	4,166
BOATS:							
MOTOR	98	64	108	199	93	101	395
OTHER	2	18	8	19	8	8	-
ACCESSORY BOATS	10	-	-	-	-	-	9
GEAR:							
HAUL SEINES, COMMON	8	8	-	2	-	1	2
LENGTH, YARDS	3,900	6,500	-	1,000	-	500	1,800
PURSE SEINES, MENHADEN	-	-	-	-	-	-	2
LENGTH, YARDS	-	-	-	-	-	-	800
OTTER TRAWLS:							
FISH	-	-	-	-	-	-	20
YARDS AT MOUTH	-	-	-	-	-	-	362
SHRIMP	32	8	-	25	-	40	229
YARDS AT MOUTH	319	120	-	389	-	627	3,634
POTS AND TRAPS, CRAB	50	1,950	3,800	3,010	2,780	-	2,100
GILL NETS, RUNAROUND	33	37	42	88	13	25	26
SQUARE YARDS	52,965	34,500	24,250	140,000	11,250	34,650	29,740
TRAMMEL NETS	5	11	-	34	25	32	4
SQUARE YARDS	2,400	34,200	-	63,900	20,950	13,050	1,800
LINES:							
HAND	211	23	26	167	52	241	113
HOOKS	562	28	26	185	52	643	206
TROLL	11	8	2	311	23	-	6
HOOKS	11	8	2	311	23	-	6
LONG OR SET WITH HOOKS	3	-	-	-	2	-	6
HOOKS	90	-	-	-	1,600	-	300
TROT WITH BAITS	-	-	-	-	-	-	92
BAITS	-	-	-	-	-	-	55,200
CAST NETS	-	-	-	1	-	-	-
SPEARS	2	-	-	-	-	-	43
DREDGES, SCALLOPS	9	-	-	-	-	7	-
YARDS AT MOUTH	9	-	-	-	-	10	-
TONGS, OYSTER	25	-	10	-	-	14	317

ITEM	GULF	HERNANDO	HILLS-BOROUGH	LEE	LEVY	MANATEE	MONROE
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	15	-	489	506	-	6	934
ON BOATS AND SHORE:							
REGULAR	27	-	138	322	84	119	502
CASUAL	4	3	126	236	16	97	403
TOTAL	46	3	753	1,064	100	222	1,839
VESSELS, MOTOR	4	-	177	202	-	2	395
GROSS TONNAGE	64	-	11,033	10,901	-	25	15,762
BOATS:							
MOTOR	34	3	160	418	78	96	593
OTHER	-	-	93	110	10	29	-
ACCESSORY BOATS	2	-	-	-	-	-	-
GEAR:							
HAUL SEINES, COMMON	1	-	-	-	-	10	-
LENGTH, YARDS	800	-	-	-	-	18,500	-
PURSE SEINES, OTHER	-	-	-	-	-	-	4
LENGTH, YARDS	-	-	-	-	-	-	800
OTTER TRAWLS, SHRIMP	13	-	332	382	-	-	664
YARDS AT MOUTH	174	-	4,820	5,857	-	-	10,496
POTS AND TRAPS:							
FISH	90	-	-	-	-	-	-
CRAB	-	-	1,005	3,500	3,580	300	5,700
LOBSTERS, SPINY	-	-	-	-	-	-	54,640

(CONTINUED ON NEXT PAGE)

FLORIDA, WEST COAST - OPERATING UNITS BY COUNTIES, 1960 - Continued

ITEM	GULF	HERNANDO	HILLS-BOROUGH	LEE	LEVY	MANATEE	MONROE
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
GEAR - CONTINUED:							
GILL NETS:							
DRIFT.	-	-	10	-	-	-	36
SQUARE YARDS	-	-	24,000	-	-	-	193,500
RUNAROUND.	6	1	98	212	24	51	89
SQUARE YARDS	11,200	400	89,250	228,500	15,800	55,400	396,200
TRAMMEL NETS	1	-	2	57	24	13	45
SQUARE YARDS	400	-	1,800	87,150	17,500	16,350	103,600
LINES:							
HAND	1	2	146	374	18	98	475
HOOKS.	1	2	199	409	18	104	478
TROLL.	3	-	10	253	3	68	331
HOOKS.	3	-	10	253	3	68	331
LONG OR SET WITH HOOKS. . .	-	-	-	1	-	-	-
HOOKS.	-	-	-	100	-	-	-
TROT WITH BAITS.	-	-	-	-	-	9	-
BAITS.	-	-	-	-	-	3,960	-
DIP NETS:							
COMMON	-	-	-	-	-	-	56
DROP	-	-	-	-	-	-	80
CAST NETS.	-	-	8	20	-	8	-
SPEARS	5	-	-	-	-	-	-
DREDGES, SCALLOPS.	-	-	-	30	-	-	-
YARDS AT MOUTH	-	-	-	30	-	-	-
TONGS, OYSTER.	20	-	-	10	6	-	-
HOOKS, SPONGE.	-	-	-	-	-	-	6
DIVING OUTFITS	-	-	-	-	-	-	3

ITEM	OKALOOSA	PASCO	PINELLAS	SARASOTA	TAYLOR	WAKULLA	WALTON
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	143	-	193	16	-	5	-
ON BOATS AND SHORE:							
REGULAR.	39	22	242	140	3	84	14
CASUAL	82	31	121	124	6	18	-
TOTAL.	264	53	556	280	9	107	14
VESSELS, MOTOR	21	-	49	6	-	1	-
GROSS TONNAGE.	359	-	677	73	-	19	-
BOATS:							
MOTOR.	55	53	218	153	7	65	10
OTHER.	6	-	62	22	1	6	-
ACCESSORY BOATS.	1	-	-	-	-	-	-
GEAR:							
HAUL SEINES, COMMON.	2	-	11	3	-	3	-
LENGTH, YARDS.	1,000	-	4,900	900	-	750	-
OTTER TRAWLS, SHRIMP	10	-	4	-	-	-	-
YARDS AT MOUTH	112	-	59	-	-	-	-
POTS AND TRAPS, CRAB	-	-	165	200	200	6,160	-
GILL NETS, RUNAROUND	25	30	115	77	1	32	9
SQUARE YARDS	27,680	22,200	110,200	105,300	1,050	36,700	9,200
TRAMMEL NETS	6	-	4	14	1	38	3
SQUARE YARDS	3,000	-	3,600	16,200	1,050	17,400	1,600
LINES:							
HAND	197	23	269	134	6	5	-
HOOKS.	474	23	421	150	6	15	-
TROLL.	11	2	30	102	6	-	-
HOOKS.	11	2	30	102	6	-	-
CAST NETS.	2	-	-	-	-	-	-
TONGS:							
OYSTER	-	-	-	-	-	9	6
OTHER.	-	-	-	3	-	-	-
FORKS.	-	-	-	3	-	-	-
HOOKS, OTHER	-	-	-	3	-	-	-
DIVING OUTFITS	-	-	12	-	-	-	-

FLORIDA, WEST COAST - CATCH BY COUNTIES, 1960

SPECIES	BAY		CHARLOTTE		CITRUS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	15,900	$795	-	-	700	$35
AMBERJACK	-	-	100	$3	-	-
BLUEFISH	156,200	17,182	15,600	1,716	600	66
BLUE RUNNER	456,800	18,272	-	-	-	-
BONITO	900	54	-	-	-	-
CABIO	-	-	1,000	60	100	6
CATFISH	3,700	555	-	-	-	-
CIGARFISH	164,600	11,522	-	-	-	-
CREVALLE	262,700	5,778	25,000	550	11,600	255
CROAKER	500	38	-	-	400	30
DRUM:						
BLACK	3,000	135	19,200	864	100	4
RED	3,300	396	99,000	11,880	55,700	6,684
FLOUNDERS	4,100	615	1,900	285	100	15
GROUPERS	803,600	90,003	101,500	11,368	700	78
GRUNTS	-	-	600	43	-	-
JEWFISH	200	14	9,000	630	-	-
KING MACKEREL	9,100	928	33,100	3,376	100	10
KING WHITING OR "KINGFISH"	3,000	195	-	-	-	-
MENHADEN	3,300	82	-	-	-	-
MOJARRA	700	42	108,800	6,528	5,500	330
MULLET:						
BLACK	1,086,100	61,908	2,695,400	153,638	912,400	52,007
SILVER	-	-	-	-	100	7
PERMIT	-	-	1,400	126	300	27
PIGFISH	200	20	-	-	-	-
POMPANO	11,200	7,280	58,400	37,960	400	260
SEA CATFISH	1,800	126	19,500	1,365	500	35
SEA TROUT OR WEAKFISH:						
SPOTTED	92,200	20,376	207,000	45,746	36,200	8,000
WHITE	400	40	3,400	340	100	10
SHEEPSHEAD, SALT-WATER	-	-	17,300	1,384	3,600	288
SNAPPER:						
MANGROVE	200	32	1,200	192	1,000	160
RED	1,412,600	367,276	13,000	3,380	100	26
VERMILION	4,800	960	-	-	-	-
WHITE	27,600	1,932	-	-	-	-
SPANISH MACKEREL	318,200	29,911	54,400	5,114	100	9
SPOT	6,600	396	60,300	3,618	2,600	156
TENPOUNDER	229,900	6,897	-	-	-	-
TRIPLETAIL	18,500	1,165	-	-	-	-
WARSAW	31,200	2,184	-	-	-	-
CRABS:						
BLUE:						
HARD	500	24	753,300	36,158	3,590,900	172,363
SOFT AND PEELER	-	-	-	-	1,700	850
STONE	-	-	-	-	111,500	40,920
SHRIMP	360,100	108,187	52,600	18,054	-	-
OYSTERS, MARKET, PUBLIC:						
SPRING	17,600	4,400	-	-	10,000	2,500
FALL	13,400	3,350	900	225	16,200	4,050
SCALLOPS, BAY	19,800	4,950	-	-	-	-
TOTAL	5,544,500	768,020	4,352,900	344,603	4,763,300	289,181

SPECIES	COLLIER		DIXIE		ESCAMBIA AND SANTA ROSA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	4,800	$240	1,000	$50
AMBERJACK	-	-	-	-	7,300	219
BLUEFISH	62,800	$6,908	19,300	2,123	21,900	2,409
BLUE RUNNER	2,600	104	-	-	9,100	364
CABIO	100	6	-	-	-	-
CATFISH	-	-	7,500	1,125	-	-
CREVALLE	104,800	2,306	2,100	46	1,600	36
DRUM:						
BLACK	59,900	2,695	600	27	-	-
RED	49,500	5,940	21,600	2,592	500	60
FLOUNDERS	-	-	3,900	585	3,900	585
GROUPERS	51,700	5,790	15,300	1,714	300,400	33,645
GRUNTS	1,600	118	10,200	744	-	-
HOGFISH	300	48	-	-	-	-
JEWFISH	3,400	238	-	-	200	14
KING MACKEREL	248,400	25,337	100	10	-	-
KING WHITING OR "KINGFISH"	700	46	-	-	700	45
MENHADEN	-	-	-	-	500	12
MOJARRA	62,100	3,726	-	-	300	18

(CONTINUED ON NEXT PAGE)

FLORIDA, WEST COAST - CATCH BY COUNTIES, 1960 - Continued

SPECIES	COLLIER		DIXIE		ESCAMBIA AND SANTA ROSA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
MULLET:						
BLACK	2,244,100	$127,913	680,400	$38,782	405,000	$23,086
SILVER	97,400	6,818	400	28	400	28
PERMIT	6,900	621	-	-	-	-
POMPANO	79,100	51,415	1,500	975	8,700	5,655
SEA CATFISH	8,800	616	100	7	21,200	1,484
SEA TROUT OR WEAKFISH:						
SPOTTED	171,800	37,969	181,400	40,088	17,400	3,845
WHITE	1,900	190	100	10	500	50
SHARKS, UNCLASSIFIED	300	12	1,500	60	-	-
SHEEPSHEAD, SALT-WATER	37,200	2,976	400	32	300	24
SNAPPER:						
MANGROVE	17,500	2,800	-	-	14,400	2,304
MUTTON	1,500	322	-	-	-	-
RED	5,800	1,508	-	-	1,764,400	458,744
WHITE	200	14	-	-	2,800	196
YELLOWTAIL	4,000	920	-	-	-	-
SPANISH MACKEREL	731,200	68,733	29,400	2,764	141,400	13,291
SPOT	100	6	2,200	132	900	54
STURGEON	-	-	-	-	200	30
TENPOUNDER	6,100	183	-	-	19,700	591
TRIGGERFISH	-	-	-	-	10,500	630
TRIPLETAIL	100	6	-	-	-	-
WARSAW	-	-	-	-	41,700	2,919
CRABS:						
BLUE, HARD	45,800	2,198	1,629,600	78,221	14,000	672
STONE	76,900	28,222	700	257	-	-
LOBSTERS, SPINY	200	77	-	-	-	-
SHRIMP	1,103,000	201,624	-	-	424,800	105,676
OYSTERS, MARKET, PUBLIC:						
SPRING	-	-	-	-	12,600	3,150
FALL	-	-	-	-	10,000	2,500
SCALLOPS, BAY	-	-	-	-	25,000	6,250
SQUID	-	-	-	-	6,400	512
TOTAL	5,287,800	588,405	2,613,100	170,562	3,289,700	669,148

SPECIES	FRANKLIN		GULF		HERNANDO	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	54,900	$2,745	16,300	$815	-	-
BLUEFISH	1,400	154	50,700	5,577	-	-
BLUE RUNNER	100	4	151,900	6,076	-	-
CATFISH	10,000	1,500	7,300	1,095	-	-
CIGARFISH	-	-	41,600	2,912	-	-
CREVALLE	2,600	57	79,400	1,746	-	-
CROAKER	4,600	345	-	-	-	-
DRUM:						
BLACK	400	18	500	22	-	-
RED	5,900	708	1,300	156	900	$108
FLOUNDERS	82,200	12,330	3,500	525	-	-
GROUPERS	1,180,300	132,194	-	-	-	-
KING MACKEREL	7,100	724	22,100	2,254	-	-
KING WHITING OR "KINGFISH"	54,200	3,524	800	52	-	-
MENHADEN	6,568,600	59,774	-	-	-	-
MOJARRA	-	-	600	36	-	-
MULLET, BLACK	2,360,700	134,561	907,800	51,745	16,300	929
POMPANO	700	455	5,600	3,640	-	-
SEA CATFISH	457,100	31,997	400	28	-	-
SEA TROUT OR WEAKFISH:						
SPOTTED	48,100	10,631	6,900	1,525	100	22
WHITE	7,700	770	400	40	-	-
SHEEPSHEAD, SALT-WATER	600	48	-	-	200	16
SNAPPER, RED	220,800	57,408	-	-	-	-
SPANISH MACKEREL	11,300	1,062	576,300	54,172	-	-
SPANISH SARDINE	-	-	19,200	384	-	-
SPOT	13,400	804	1,100	66	-	-
TENPOUNDER	300	9	176,500	5,295	-	-
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	610,200	6,102	-	-	-	-
CRABS, BLUE, HARD	2,267,300	108,830	-	-	-	-
SHRIMP	2,591,700	523,595	183,200	37,063	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	778,700	186,936	18,700	4,675	-	-
FALL	568,900	150,149	14,000	3,500	-	-
PRIVATE:						
SPRING	238,300	57,192	15,200	3,800	-	-
FALL	158,900	41,923	10,500	2,625	-	-
TURTLES, GREEN	400	60	-	-	-	-
TOTAL	18,307,400	1,526,609	2,311,800	189,824	17,500	1,075

FLORIDA, WEST COAST - CATCH BY COUNTIES, 1960 - Continued

SPECIES	HILLSBOROUGH		LEE		LEVY	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	100	$5	-	-
AMBERJACK	-	-	1,000	30	-	-
BLUEFISH	13,000	$1,430	37,300	4,103	100	$11
BLUE RUNNER	-	-	-	-	3,000	120
CABIO	-	-	19,800	1,188	-	-
CATFISH	-	-	700	105	-	-
CREVALLE	34,900	767	138,900	3,055	26,500	583
CROAKER	8,400	630	-	-	-	-
DRUM:						
BLACK	4,600	207	27,200	1,224	-	-
RED	40,600	4,872	287,400	34,488	33,000	3,960
FLOUNDERS	1,600	240	800	120	-	-
GROUPERS	517,100	57,915	297,700	33,342	600	67
HOGFISH	-	-	1,100	176	-	-
JEWFISH	1,400	98	14,200	994	-	-
KING MACKEREL	8,800	898	22,700	2,315	700	71
KING WHITING OR "KINGFISH"	20,200	1,312	19,500	1,268	-	-
MENHADEN	-	-	100	2	-	-
MOJARRA	35,900	2,154	68,700	4,122	3,300	198
MULLET:						
BLACK	2,233,100	127,287	4,987,500	284,288	649,500	37,021
SILVER	2,700	189	2,400	168	-	-
PERMIT	10,600	954	27,500	2,475	-	-
POMPANO	10,900	7,085	95,800	62,270	600	390
SEA BASS	-	-	100	12	-	-
SEA CATFISH	-	-	2,200	154	100	7
SEA TROUT OR WEAKFISH:						
SPOTTED	172,100	38,034	740,300	163,606	143,300	31,669
WHITE	28,000	2,800	4,200	420	1,300	130
SHARKS, UNCLASSIFIED	-	-	-	-	100	4
SHEEPSHEAD, SALT-WATER	25,900	2,072	58,000	4,640	3,100	248
SNAPPER:						
MANGROVE	10,900	1,744	75,400	12,064	-	-
MUTTON	-	-	4,600	989	-	-
RED	297,000	77,220	95,700	24,882	-	-
WHITE	-	-	17,100	1,197	-	-
YELLOWTAIL	-	-	28,000	6,440	-	-
SPANISH MACKEREL	82,500	7,755	93,100	8,752	100	9
SPOT	2,700	162	32,900	1,974	49,900	2,994
TENPOUNDER	-	-	500	15	-	-
TRIGGERFISH	-	-	100	6	-	-
WARSAW	800	56	-	-	-	-
CRABS:						
BLUE, HARD	317,400	15,235	2,109,000	101,232	1,906,500	91,512
SOFT AND PEELER	2,500	1,250	-	-	-	-
STONE	8,200	3,009	400	147	12,500	4,588
LOBSTERS, SPINY	200	77	2,000	770	-	-
SHRIMP	12,249,800	4,228,392	8,705,900	2,811,215	-	-
OYSTERS, MARKET, PUBLIC:						
SPRING	-	-	22,500	5,625	1,100	275
FALL	-	-	2,000	500	2,600	650
SCALLOPS, BAY	-	-	9,300	2,325	-	-
SQUID	-	-	200	16	-	-
TURTLES:						
GREEN	-	-	-	-	6,500	975
LOGGERHEAD	-	-	-	-	6,000	900
TOTAL	16,141,800	4,583,844	18,053,900	3,582,719	2,850,400	176,382

SPECIES	MANATEE		MONROE		OKALOOSA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	9,600	$480	-	-	9,900	$495
AMBERJACK	-	-	2,700	$81	-	-
BALLYHOO	-	-	51,000	7,140	-	-
BARRACUDA	-	-	1,800	72	-	-
BLUEFISH	71,700	7,887	103,200	11,352	71,000	7,810
BLUE RUNNER	5,000	200	23,300	932	30,100	1,204
CABIO	-	-	13,000	780	200	12
CIGARFISH	-	-	-	-	6,500	455
CREVALLE	130,000	2,860	28,200	621	200	4
CROAKER	1,400	105	100	8	-	-
DOLPHIN	200	18	9,000	810	-	-
DRUM:						
BLACK	70,900	3,189	200	9	200	9
RED	113,500	13,620	1,000	120	300	36
FLOUNDERS	400	60	4,200	630	2,500	375

(CONTINUED ON NEXT PAGE)

FLORIDA, WEST COAST - CATCH BY COUNTIES, 1960 - Continued

SPECIES	MANATEE		MONROE		OKALOOSA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
GROUPERS	24,800	$2,778	329,100	$36,859	191,000	$21,392
GRUNTS	-	-	119,800	8,745	-	-
HOGFISH	-	-	16,300	2,608	-	-
JEWFISH	300	21	36,100	2,527	200	14
KING MACKEREL	55,600	5,671	1,150,400	117,341	11,500	1,173
KING WHITING OR "KINGFISH"	7,000	456	-	-	-	-
MENHADEN	-	-	5,800	146	2,100	52
MOJARRA	10,300	618	300	18	-	-
MULLET:						
BLACK	3,939,900	224,574	7,000	399	449,400	25,617
SILVER	32,000	2,240	275,800	19,306	200	14
PERMIT	7,500	675	4,100	369	-	-
POMPANO	56,300	36,545	95,200	61,880	16,700	10,855
SEA CATFISH	500	35	2,800	196	49,500	3,465
SEA TROUT OR WEAKFISH:						
SPOTTED	214,100	47,315	148,600	32,841	38,600	8,531
WHITE	17,200	1,720	-	-	-	-
SHARKS, UNCLASSIFIED	1,800	72	-	-	-	-
SHEEPSHEAD, SALT-WATER	11,900	952	100	8	1,600	128
SNAPPER:						
MANGROVE	100	16	133,500	21,360	7,300	1,168
MUTTON	-	-	87,200	18,748	-	-
RED	6,900	1,794	12,000	3,120	1,088,100	282,906
VERMILION	-	-	700	140	-	-
WHITE	-	-	17,200	1,204	2,200	154
YELLOWTAIL	-	-	495,400	113,942	200	46
SPANISH MACKEREL	130,900	12,304	2,919,900	274,470	67,400	6,337
SPOT	56,200	3,372	1,100	66	1,900	114
STURGEON	-	-	-	-	800	120
TENPOUNDER	2,700	81	-	-	65,900	1,977
TILEFISH	-	-	200	20	-	-
TRIGGERFISH	-	-	-	-	1,300	78
WARSAW	-	-	2,700	189	41,000	2,870
CRABS:						
BLUE, HARD	197,700	9,490	14,900	715	2,600	125
STONE	-	-	142,100	52,151	-	-
LOBSTERS, SPINY	-	-	2,126,300	818,625	-	-
SHRIMP	-	-	18,756,800	4,111,164	30,500	7,999
CONCHS	-	-	22,000	5,280	-	-
SQUID	-	-	9,300	744	700	56
TURTLES:						
GREEN	-	-	13,100	1,965	-	-
LOGGERHEAD	-	-	1,200	180	-	-
SPONGES:						
SHEEPSWOOL	-	-	2,500	15,132	-	-
YELLOW	-	-	100	178	-	-
TOTAL	5,176,400	379,148	27,187,300	5,745,191	2,191,600	385,591

SPECIES	PASCO		PINELLAS		SARASOTA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	49,100	$2,455	-	-
AMBERJACK	-	-	5,300	159	-	-
BARRACUDA	-	-	3,000	120	-	-
BLUEFISH	1,500	$165	42,600	4,686	49,000	$5,390
BLUE RUNNER	-	-	2,400	96	100	4
CABIO	-	-	1,100	66	-	-
CREVALLE	3,700	81	17,800	392	16,300	359
CROAKER	-	-	2,800	209	900	67
DRUM:						
BLACK	-	-	100	4	4,400	198
RED	16,900	2,028	43,500	5,220	40,500	4,860
FLOUNDERS	400	60	12,100	1,824	1,200	180
GROUPERS	3,200	358	1,840,100	206,091	265,400	29,725
GRUNTS	-	-	2,200	162	-	-
JEWFISH	-	-	1,000	70	800	56
KING MACKEREL	1,100	112	107,500	10,965	106,300	10,843
KING WHITING OR "KINGFISH"	-	-	6,000	390	400	26
MOJARRA	300	18	4,000	240	36,500	2,190
MULLET:						
BLACK	616,800	35,158	4,742,900	270,344	1,377,600	78,524
SILVER	500	35	1,000	70	10,000	700

(CONTINUED ON NEXT PAGE)

FLORIDA, WEST COAST - CATCH BY COUNTIES, 1960 - Continued

SPECIES	PASCO		PINELLAS		SARASOTA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
PERMIT	-	-	200	$18	1,100	$99
POMPANO	13,200	$8,580	18,300	11,895	56,200	36,530
SEA CATFISH	-	-	600	42	400	28
SEA TROUT OR WEAKFISH:						
SPOTTED	46,400	10,254	360,800	79,737	113,900	25,171
WHITE	-	-	11,800	1,180	1,200	120
SHEEPSHEAD, SALT-WATER	1,300	104	9,800	784	9,900	792
SNAPPER:						
MANGROVE	100	16	800	128	200	32
MUTTON	-	-	-	-	600	129
RED	-	-	475,500	123,630	55,100	14,326
VERMILION	-	-	2,700	540	-	-
WHITE	-	-	100	7	1,400	98
SPANISH MACKEREL	5,600	526	201,100	18,903	71,000	6,674
SPOT	7,000	420	4,000	240	18,800	1,128
TENPOUNDER	-	-	1,000	30	100	3
TRIPLETAIL	-	-	-	-	300	19
WARSAW	-	-	1,500	105	-	-
CRABS:						
BLUE, HARD	-	-	25,300	1,214	600	29
STONE	-	-	7,300	2,679	5,400	1,982
LOBSTERS, SPINY	-	-	-	-	400	154
SHRIMP	-	-	5,300	1,920	-	-
CLAMS, HARD, PUBLIC	-	-	-	-	18,500	5,920
OYSTERS, MARKET, PUBLIC:						
SPRING	-	-	1,000	250	100	25
FALL	-	-	1,000	250	-	-
SCALLOPS, BAY	-	-	1,500	375	100	25
SPONGES:						
GRASS	-	-	500	1,562	-	-
SHEEPSWOOL	-	-	32,500	286,568	-	-
YELLOW	-	-	1,700	6,057	-	-
TOTAL	718,000	57,915	8,048,800	1,041,677	2,264,700	226,406

SPECIES	TAYLOR		WAKULLA		WALTON	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	100	$11	-	-	-	-
CIGARFISH	-	-	200	$14	-	-
CREVALLE	-	-	5,100	113	-	-
CROAKER	-	-	1,400	104	-	-
DRUM, RED	1,000	120	1,400	168	200	$24
FLOUNDERS	-	-	1,100	165	200	30
GROUPERS	-	-	200	22	-	-
MULLET, BLACK	57,700	3,289	499,400	28,466	25,700	1,464
POMPANO	-	-	100	65	-	-
SEA TROUT OR WEAKFISH,						
SPOTTED	10,000	2,209	9,600	2,121	5,800	1,282
SHEEPSHEAD, SALT-WATER	1,200	96	-	-	-	-
SPANISH MACKEREL	-	-	900	84	300	28
SPOT	-	-	2,100	126	-	-
CRABS:						
BLUE, HARD	-	-	5,772,900	277,099	-	-
STONE	-	-	900	330	-	-
OYSTERS, MARKET, PUBLIC:						
SPRING	-	-	8,300	2,075	-	-
FALL	-	-	5,800	1,450	2,500	625
TOTAL	70,000	5,725	6,309,400	312,402	34,700	3,453

ALABAMA

OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	OTTER TRAWLS, SHRIMP	HOOP AND FYKE NETS, FISH	POTS AND TRAPS	
				CRAB	FISH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	-	564	-	-	-
ON BOATS AND SHORE:					
REGULAR	12	336	11	20	9
CASUAL.	-	3	20	-	7
TOTAL	12	903	31	20	16
VESSELS, MOTOR.	-	222	-	-	-
GROSS TONNAGE	-	6,737	-	-	-
BOATS:					
MOTOR	4	206	31	20	-
OTHER	4	-	-	-	-
GEAR:					
NUMBER.	4	552	560	3,000	250
LENGTH, YARDS	1,200	-	-	-	-
YARDS AT MOUTH.	-	8,130	-	-	-

ITEM	GILL NETS, RUNAROUND	TRAMMEL NETS	LINES		
			HAND	TROT WITH BAITS	SNAG
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	-	-	95	-	-
ON BOATS AND SHORE:					
REGULAR	6	87	14	47	9
CASUAL.	3	10	9	9	10
TOTAL	9	97	118	56	19
VESSELS, MOTOR.	-	-	12	-	-
GROSS TONNAGE	-	-	613	-	-
BOATS:					
MOTOR	6	-	9	51	19
OTHER	3	97	3	-	-
GEAR:					
NUMBER.	9	97	118	51	170
SQUARE YARDS.	5,400	95,000	-	-	-
HOOKS OR BAITS.	-	-	222	25,500	51,000

ITEM	SPEARS	TONGS, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS.	-	-	659
ON BOATS AND SHORE:			
REGULAR	8	673	1/586
CASUAL.	11	170	203
TOTAL	19	843	1,448
VESSELS, MOTOR.	-	-	234
GROSS TONNAGE	-	-	7,350
BOATS:			
MOTOR	-	412	502
OTHER	12	50	154
GEAR, NUMBER.	19	843	-

1/ DOES NOT INCLUDE 181 FISHERMEN WHO ALSO OPERATED IN THE VESSEL FISHERIES.

ALABAMA - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		OTTER TRAWLS		HOOP AND FYKE NETS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	1,100	$77	-	-	-	-	-	-
BLUE RUNNER	100	7	-	-	-	-	-	-
BUFFALOFISH	-	-	-	-	23,200	$3,012	3,700	$487
CATFISH AND BULLHEADS	-	-	-	-	11,300	2,828	13,000	3,244
CROAKER	5,300	266	400	$20	-	-	-	-
DRUM:								
BLACK	500	28	-	-	-	-	-	-
RED	1,000	119	-	-	-	-	-	-
FLOUNDERS	1,600	240	94,800	14,322	-	-	-	-
GROUPERS	-	-	800	116	-	-	-	-
JEWFISH	-	-	700	106	-	-	-	-
KING WHITING OR "KINGFISH"	600	29	86,600	4,333	-	-	-	-
MULLET, BLACK	63,800	3,825	-	-	-	-	-	-
PADDLEFISH	-	-	-	-	400	47	-	-
POMPANO	3,700	1,310	200	67	-	-	-	-
SEA CATFISH	-	-	35,000	1,749	-	-	-	-
SEA TROUT OR WEAKFISH:								
SPOTTED	2,300	574	-	-	-	-	-	-
WHITE	-	-	24,600	1,229	-	-	-	-
SHEEPSHEAD:								
FRESH-WATER	-	-	-	-	17,100	1,878	-	-
SALT-WATER	-	-	1,200	72	-	-	-	-
SNAPPER, RED	-	-	37,100	5,565	-	-	-	-
SPANISH MACKEREL	21,900	2,856	200	21	-	-	-	-
SPOT	4,900	293	-	-	-	-	-	-
CRABS, BLUE, HARD	-	-	-	-	-	-	140,000	7,868
SHRIMP	-	-	7,169,000	2,090,365	-	-	-	-
SQUID	-	-	900	85	-	-	-	-
TOTAL	106,800	9,624	7,451,500	2,118,050	52,000	7,765	156,700	11,599

SPECIES	GILL NETS, RUNAROUND		TRAMMEL NETS		LINES			
					HAND		TROT WITH BAITS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	8,700	$1,135	-	-	-	-	-	-
CABIO	-	-	-	-	1,100	$90	-	-
CATFISH AND BULLHEADS	1,300	333	-	-	-	-	-	-
CROAKER	-	-	1,800	$91	-	-	-	-
DRUM:								
BLACK	-	-	1,600	99	-	-	-	-
RED	-	-	7,300	883	700	84	-	-
FLOUNDERS	-	-	800	120	-	-	-	-
GROUPERS	-	-	-	-	235,100	35,265	-	-
JEWFISH	-	-	-	-	3,700	556	-	-
KING WHITING OR "KINGFISH"	-	-	600	29	-	-	-	-
MULLET, BLACK	6,500	389	785,000	47,103	-	-	-	-
PADDLEFISH	300	32	-	-	-	-	-	-
SEA CATFISH	-	-	2,400	122	-	-	-	-
SEA TROUT OR WEAKFISH,								
SPOTTED	1,300	331	29,600	7,389	3,800	957	-	-
SHEEPSHEAD, SALT-WATER	-	-	15,300	918	-	-	-	-
SNAPPER, RED	-	-	-	-	1,683,000	420,743	-	-
SPOT	-	-	6,000	363	-	-	-	-
CRABS, BLUE, HARD	-	-	-	-	-	-	358,800	$18,154
TOTAL	18,100	2,220	850,400	57,117	1,927,400	457,695	358,800	18,154

SPECIES	LINES - CONTINUED		SPEARS		TONGS	
	SNAG					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH AND BULLHEADS	7,700	$1,914	-	-	-	-
FLOUNDERS	-	-	6,400	$1,599	-	-
PADDLEFISH	1,200	143	-	-	-	-
OYSTERS, MARKET, PUBLIC:						
SPRING	-	-	-	-	737,100	$169,361
FALL	-	-	-	-	432,200	147,684
TOTAL	8,900	2,057	6,400	1,599	1,169,300	317,045

ALABAMA - OPERATING UNITS BY COUNTIES, 1960

ITEM	BALDWIN	MOBILE
	NUMBER	NUMBER
FISHERMEN:		
ON VESSELS.	180	479
ON SHORE AND BOATS:		
REGULAR	160	426
CASUAL.	67	136
TOTAL	407	1,041
VESSELS, MOTOR.	67	167
GROSS TONNAGE	2,364	4,986
BOATS:		
MOTOR	110	392
OTHER	84	70
GEAR:		
HAUL SEINES, COMMON	3	1
LENGTH, YARDS	900	300
OTTER TRAWLS, SHRIMP. . . .	173	379
YARDS AT MOUTH.	2,447	5,683
HOOP AND FYKE NETS, FISH. .	-	560
POTS AND TRAPS:		
CRAB.	-	3,000
FISH.	-	250
GILL NETS, RUNAROUND. . . .	-	9
SQUARE YARDS.	-	1,800
TRAMMEL NETS.	54	43
SQUARE YARDS.	54,000	4,000
LINES:		
HAND.	14	104
HOOKS	18	204
TROT WITH BAITS	10	41
BAITS	5,000	20,500
SNAG.	170	-
HOOKS	51,000	-
SPEARS.	7	12
TONGS, OYSTER	182	661

ALABAMA - CATCH BY COUNTIES, 1960

SPECIES	BALDWIN		MOBILE	
	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH.	1,100	$77	-	-
BLUE RUNNER	100	7	-	-
BUFFALOFISH	-	-	35,600	$4,634
CABIO	1,100	90	-	-
CATFISH AND BULLHEADS	-	-	33,300	8,319
CROAKER	6,000	302	1,500	75
DRUM:				
BLACK	1,600	94	500	33
RED	4,900	589	4,100	497
FLOUNDERS	60,400	9,549	43,200	6,732
GROUPERS.	2,400	360	233,500	35,021
JEWFISH	400	62	4,000	600
KING WHITING OR "KINGFISH". .	23,000	1,149	64,800	3,242
MULLET.	531,200	31,872	324,100	19,445
PADDLEFISH.	-	-	1,900	222
POMPANO	400	140	3,500	1,237
SEA CATFISH	4,700	236	32,700	1,635
SEA TROUT OR WEAKFISH:				
SPOTTED	25,500	6,372	11,500	2,879
WHITE	2,500	123	22,100	1,106
SHEEPSHEAD:				
FRESH-WATER	-	-	17,100	1,878
SALT-WATER.	11,800	708	4,700	282
SNAPPER, RED.	50,400	10,560	1,669,700	415,748
SPANISH MACKEREL.	14,000	1,825	8,100	1,052
SPOT.	10,800	650	100	6
CRABS, BLUE, HARD	41,500	2,076	457,300	23,946
SHRIMP.	2,368,200	742,038	4,800,800	1,348,327
OYSTERS, MARKET, PUBLIC:				
SPRING.	86,900	27,372	650,200	141,989
FALL.	48,300	19,020	383,900	128,664
SQUID	600	60	300	25
TOTAL	3,297,800	855,331	8,808,500	2,147,594

GULF FISHERIES

MISSISSIPPI

OPERATING UNITS BY GEAR, 1960

ITEM	PURSE SEINES, MENHADEN	OTTER TRAWLS		POTS AND TRAPS, CRAB	GILL NETS, RUNAROUND	TRAMMEL NETS
		FISH	SHRIMP			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	378	172	1,106	-	-	19
ON BOATS AND SHORE:						
REGULAR	-	-	248	57	4	36
CASUAL	-	-	215	11	-	5
TOTAL	378	172	1,569	68	4	60
VESSELS, MOTOR	19	65	435	-	-	5
GROSS TONNAGE	5,909	2,538	13,345	-	-	78
BOATS:						
MOTOR	-	-	385	49	4	29
OTHER	-	-	-	-	-	4
ACCESSORY BOATS	57	-	-	-	-	12
GEAR:						
NUMBER	19	69	1,029	5,150	4	36
LENGTH, YARDS	7,895	-	-	-	-	-
SQUARE YARDS	-	-	-	-	2,400	29,400
YARDS AT MOUTH	-	1,593	13,817	-	-	-

ITEM	LINES		CAST NETS	SPEARS	DREDGES, OYSTER, COMMON	TONGS, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	HAND	TROT WITH BAITS					
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	80	-	-	-	413	-	1,792
ON BOATS AND SHORE:							
REGULAR	-	11	1	4	35	522	802
CASUAL	65	4	5	2	15	155	393
TOTAL	145	15	6	6	463	677	2,987
VESSELS, MOTOR	11	-	-	-	133	-	505
GROSS TONNAGE	414	-	-	-	2,845	-	21,051
BOATS:							
MOTOR	45	14	-	-	25	490	937
OTHER	2	-	-	-	-	147	153
ACCESSORY BOATS	-	-	-	-	-	-	69
GEAR:							
NUMBER	136	15	6	6	316	647	-
HOOKS OR BAITS	278	7,500	-	-	-	-	-
YARDS AT MOUTH	-	-	-	-	398	-	-

MISSISSIPPI - CATCH BY GEAR, 1960

SPECIES	PURSE SEINES		OTTER TRAWLS		POTS AND TRAPS		GILL NETS, RUNAROUND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	-	-	-	-	-	-	1,000	$100
DRUM:								
BLACK	-	-	1,400	$85	-	-	-	-
RED	-	-	1,200	185	-	-	-	-
FLOUNDERS	-	-	34,600	4,847	-	-	-	-
GROUPERS	-	-	1,200	177	-	-	-	-
KING WHITING OR "KINGFISH"	-	-	246,000	14,761	-	-	-	-
MENHADEN	218,643,800	$2,197,656	-	-	-	-	-	-
SEA CATFISH	-	-	40,500	2,026	-	-	-	-
SEA TROUT OR WEAKFISH:								
SPOTTED	-	-	-	-	-	-	8,000	2,000
WHITE	-	-	26,300	1,323	-	-	-	-
SHEEPSHEAD, SALT-WATER	-	-	2,000	160	-	-	-	-
SNAPPER, RED	-	-	1,500	150	-	-	-	-
SPANISH MACKEREL	-	-	1,200	120	-	-	7,500	750
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	76,769,500	1,335,957	-	-	-	-
CRABS, BLUE:								
HARD	-	-	-	-	2,607,200	$156,492	-	-
SOFT AND PEELER	-	-	-	-	3,300	403	-	-
SHRIMP	-	-	11,031,100	2,899,200	-	-	-	-
TOTAL	218,643,800	2,197,656	88,156,500	4,258,991	2,610,500	156,895	16,500	2,850

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MISSISSIPPI - CATCH BY GEAR, 1960 - Continued

SPECIES	TRAMMEL NETS		LINES				CAST NETS	
			HAND		TROT WITH BAITS			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	2,800	$280	-	-	-	-	-	-
CREVALLE	600	36	-	-	-	-	-	-
CROAKER	400	22	-	-	-	-	-	-
DRUM:								
BLACK	13,900	835	-	-	-	-	-	-
RED	36,800	5,521	900	$135	-	-	-	-
GROUPERS	-	-	114,000	17,100	-	-	-	-
KING WHITING OR "KINGFISH"	200	12	200	12	-	-	-	-
MULLET	392,300	19,775	-	-	-	-	2,800	$169
POMPANO	300	75	-	-	-	-	-	-
SEA CATFISH	2,000	100	-	-	-	-	-	-
SEA TROUT OR WEAKFISH, SPOTTED	102,800	25,700	5,700	1,430	-	-	-	-
SHEEPSHEAD, SALT-WATER	45,800	3,668	300	24	-	-	-	-
SNAPPER, RED	-	-	1,467,000	366,750	-	-	-	-
SPANISH MACKEREL	-	-	100	7	-	-	-	-
TRIPLETAIL	300	30	-	-	-	-	-	-
CRABS, BLUE:								
HARD	-	-	-	-	204,300	$12,258	-	-
SOFT AND PEELER	-	-	-	-	2,000	240	-	-
TOTAL	598,200	56,054	1,588,200	385,458	206,300	12,498	2,800	$169

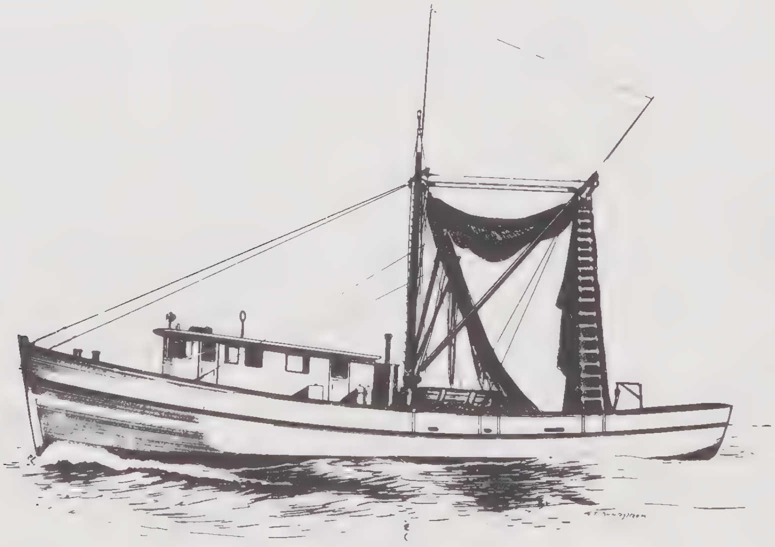
SPECIES	SPEARS		DREDGES		TONGS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS	800	$160	-	-	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	-	-	724,000	$159,284	945,700	$206,669
FALL	-	-	153,300	36,794	357,700	86,548
PRIVATE, SPRING	-	-	210,000	46,200	-	-
TOTAL	800	160	1,087,300	242,278	1,303,400	293,217

MISSISSIPPI - OPERATING UNITS BY COUNTIES, 1960

ITEM	HANCOCK	HARRISON	JACKSON
	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS	-	958	834
ON BOATS AND SHORE:			
REGULAR	14	534	254
CASUAL	58	217	118
TOTAL	72	1,709	1,206
VESSELS, MOTOR	-	344	161
GROSS TONNAGE	-	9,164	11,887
BOATS:			
MOTOR	47	623	267
OTHER	7	102	44
ACCESSORY BOATS	-	-	69
GEAR:			
PURSE SEINES, MENHADEN	-	-	19
LENGTH, YARDS	-	-	7,895
OTTER TRAWLS:			
FISH	-	23	46
YARDS AT MOUTH	-	551	1,042
SHRIMP	25	716	288
YARDS AT MOUTH	230	9,984	3,603
POTS AND TRAPS, CRAB	50	1,300	3,800
GILL NETS, RUNAROUND	-	-	4
SQUARE YARDS	-	-	2,400
TRAMMEL NETS	4	5	27
SQUARE YARDS	2,400	3,800	23,200
LINES:			
HAND	35	30	71
HOOKS	35	30	213
TROT WITH BAITS	1	14	-
BAITS	500	7,000	-
CAST NETS	2	4	-
SPEARS	4	2	-
DREDGES, OYSTER, COMMON	-	316	-
YARDS AT MOUTH	-	398	-
TONGS, OYSTER	17	460	170

MISSISSIPPI - CATCH BY COUNTIES, 1960

SPECIES	HANCOCK		HARRISON		JACKSON	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	-	-	-	-	3,800	$380
CREVALLE	-	-	-	-	600	36
CROAKER	-	-	-	-	400	22
DRUM:						
BLACK	1,900	$115	-	-	13,400	805
RED	6,700	1,005	1,000	$151	31,200	4,685
FLOUNDERS	600	105	10,800	1,542	24,000	3,360
GROUPERS	-	-	-	-	115,200	17,277
KING WHITING OR "KINGFISH"	2,200	132	53,300	3,200	190,900	11,453
MENHADEN	-	-	-	-	218,643,800	2,197,656
MULLET, BLACK	4,900	295	13,900	834	376,300	18,815
POMPANO	-	-	-	-	300	75
SEA CATFISH	-	-	-	-	42,500	2,126
SEA TROUT OR WEAKFISH:						
SPOTTED	45,500	11,380	7,700	1,930	63,300	15,820
WHITE	200	12	8,400	425	17,700	886
SHEEPSHEAD, SALT-WATER	3,100	249	700	56	44,300	3,547
SNAPPER, RED	-	-	200	20	1,468,300	366,880
SPANISH MACKEREL	-	-	100	7	8,700	870
TRIPLETAIL	100	10	100	10	100	10
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	76,769,500	1,335,957
CRABS, BLUE:						
HARD	26,300	1,578	831,000	49,922	1,954,200	117,250
SOFT AND PEELER	-	-	4,400	528	900	115
SHRIMP	159,400	40,460	8,686,800	2,245,258	2,184,900	613,482
OYSTERS, MARKET:						
PUBLIC:						
SPRING	600	155	1,643,000	359,268	26,100	6,530
FALL	2,100	523	439,100	105,379	69,800	17,440
PRIVATE, SPRING	-	-	210,000	46,200	-	-
TOTAL	253,600	56,019	11,910,500	2,814,730	302,050,200	4,735,477



LARGE SHRIMP TRAWLER

GULF FISHERIES
LOUISIANA
OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	PURSE SEINES, MENHADEN	OTTER TRAWLS		HOOP AND FYKE NETS	POTS AND TRAPS	
			FISH	SHRIMP		CRAB	CRAWFISH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	-	1,070	207	3,432	-	-	-
ON BOATS AND SHORE:							
REGULAR	62	-	-	2,836	265	5	74
CASUAL	3	-	-	306	124	7	18
TOTAL	65	1,070	207	6,574	389	12	92
VESSELS, MOTOR	-	50	71	1,235	-	-	-
GROSS TONNAGE	-	10,226	2,910	46,133	-	-	-
BOATS:							
MOTOR	16	-	-	1,999	389	12	92
OTHER	7	-	-	-	-	-	-
ACCESSORY BOATS	-	150	-	-	-	-	-
GEAR:							
NUMBER	16	50	134	4,135	11,317	300	5,060
LENGTH, YARDS	5,065	20,176	-	-	-	-	-
YARDS AT MOUTH	-	-	2,250	58,005	-	-	-

ITEM	GILL NETS, ANCHOR	TRAMMEL NETS	LINES			DIP NETS	
			HAND	LONG OR SET WITH HOOKS	TROT WITH BAITS	COMMON	DROP
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	-	6	66	-	-	-	-
ON BOATS AND SHORE:							
REGULAR	74	124	190	534	492	80	143
CASUAL	12	15	197	313	95	139	61
TOTAL	86	145	453	847	587	219	204
VESSELS, MOTOR	-	3	13	-	-	-	-
GROSS TONNAGE	-	48	506	-	-	-	-
BOATS:							
MOTOR	67	73	372	831	587	199	204
OTHER	-	16	-	16	-	20	-
ACCESSORY BOATS	-	3	-	-	-	-	-
GEAR:							
NUMBER	67	69	6,435	966	598	219	15,114
SQUARE YARDS	44,871	18,854	-	-	-	-	-
HOOKS OR BAITS	-	-	6,569	356,725	321,770	-	-

ITEM	SPEARS	DREDGES, OYSTER, COMMON	TONGS, OYSTER	GRABS, FROG	BRUSH TRAPS	BY HAND, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	-	365	-	-	-	-	4,888
ON BOATS AND SHORE:							
REGULAR	-	244	183	74	85	45	3,665
CASUAL	9	-	28	43	18	3	826
TOTAL	9	609	211	117	103	48	9,379
VESSELS, MOTOR	-	135	-	-	-	-	1,415
GROSS TONNAGE	-	2,269	-	-	-	-	58,766
BOATS:							
MOTOR	-	103	121	117	103	38	3,292
OTHER	-	-	6	-	-	-	65
ACCESSORY BOATS	-	-	-	-	-	-	153
GEAR:							
NUMBER	9	455	211	117	18,200	-	-
YARDS AT MOUTH	-	521	-	-	-	-	-

LOUISIANA - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	2,600	$104	-	-	-	-
BUFFALOFISH	43,900	5,268	-	-	-	-
CARP	100	5	-	-	-	-
CATFISH AND BULLHEADS	50,100	9,519	-	-	-	-
CROAKER	3,200	220	-	-	15,900	$795
DRUM:						
BLACK	27,300	1,560	-	-	2,600	160
RED	81,400	11,575	-	-	13,000	1,300
FLOUNDERS, UNCLASSIFIED	2,200	336	-	-	75,900	7,765
GARFISH	80,000	4,000	-	-	-	-
GROUPERS	-	-	-	-	2,800	140
KING WHITING OR "KINGFISH"	8,000	610	-	-	262,500	13,127
MENHADEN	-	-	470,107,700	$5,138,645	-	-
MULLET, BLACK	5,600	430	-	-	1,000	50
POMPANO	600	150	-	-	1,200	335
SAWFISH	1,000	80	-	-	8,400	420
SEA CATFISH	8,500	536	-	-	10,400	520
SEA TROUT OR WEAKFISH:						
SPOTTED	121,700	27,641	-	-	1,400	280
WHITE	10,000	800	-	-	25,300	1,440
SHARKS, UNCLASSIFIED	2,700	135	-	-	1,500	75
SHEEPSHEAD:						
FRESH-WATER	13,700	1,096	-	-	-	-
SALT-WATER	9,400	752	-	-	27,500	2,630
SNAPPER, RED	-	-	-	-	53,300	10,847
SPANISH MACKEREL	400	60	-	-	700	35
TRIPLETAIL	-	-	-	-	800	55
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	5,261,800	47,358
CRABS, BLUE, HARD	-	-	-	-	139,800	6,990
SHRIMP	-	-	-	-	61,756,100	15,880,567
SQUID	-	-	-	-	1,800	180
TURTLES, GREEN	-	-	-	-	6,200	415
TOTAL	472,400	64,877	470,107,700	5,138,645	67,669,900	15,975,484

SPECIES	HOOP AND FYKE NETS		POTS AND TRAPS		GILL NETS, ANCHOR	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	3,800	$212	-	-	300	$14
BUFFALOFISH	440,000	52,786	-	-	173,300	20,796
CARP	13,600	679	-	-	1,700	85
CATFISH AND BULLHEADS	1,380,400	259,106	-	-	185,800	35,202
DRUM:						
BLACK	-	-	-	-	3,000	150
RED	2,000	300	-	-	300	45
GARFISH	20,200	1,190	-	-	205,400	9,985
PADDLEFISH	-	-	-	-	6,300	630
SHEEPSHEAD, FRESH-WATER	360,800	30,356	-	-	33,200	2,660
CRABS, BLUE, HARD	-	-	37,600	$1,880	-	-
CRAWFISH, FRESH-WATER	-	-	717,200	156,998	-	-
TURTLES, SNAPPER	8,100	1,215	-	-	-	-
TOTAL	2,228,900	345,844	754,800	158,878	609,300	69,567

SPECIES	TRAMMEL NETS		LINES			
			HAND		LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	19,400	$2,328	-	-	-	-
CATFISH AND BULLHEADS	6,100	1,208	500	$110	4,324,200	$850,465
CROAKER	14,900	980	1,100	55	-	-
DRUM:						
BLACK	119,600	7,213	37,700	1,947	-	-
RED	310,000	46,524	21,300	3,526	-	-
FLOUNDERS, UNCLASSIFIED	4,100	738	-	-	-	-
GARFISH	16,300	815	2,300	115	10,300	515
GROUPERS	-	-	21,400	2,065	-	-
JEWFISH	-	-	20,000	1,796	-	-
KING WHITING OR "KINGFISH"	12,200	610	800	40	-	-
MULLET, BLACK	15,200	880	-	-	-	-
PADDLEFISH	-	-	-	-	5,200	520

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LOUISIANA - CATCH BY GEAR, 1960 - Continued

SPECIES	TRAMMEL NETS		LINES			
			HAND		LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
POMPANO	-	-	3,800	$1,420	-	-
SCUP OR PORGY	-	-	800	72	-	-
SAWFISH	1,400	$91	-	-	-	-
SEA CATFISH	15,100	827	5,200	260	-	-
SEA TROUT OR WEAKFISH:						
SPOTTED	244,000	52,565	50,400	11,256	-	-
WHITE	11,100	780	3,700	185	-	-
SHARKS, UNCLASSIFIED	800	40	-	-	-	-
SHEEPSHEAD:						
FRESH-WATER	12,700	1,018	-	-	65,000	$5,279
SALT-WATER	66,700	6,677	13,500	1,336	-	-
SKATES	2,000	160	-	-	-	-
SNAPPER:						
MANGROVE	-	-	1,800	270	-	-
RED	-	-	372,700	93,175	-	-
TURTLES, SNAPPER	-	-	21,000	3,003	1,100	110
TOTAL	871,600	123,454	578,000	120,631	4,405,800	856,889

SPECIES	LINES-CONTINUED		DIP NETS		SPEARS		DREDGES	
	TROT WITH BAITS							
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS, UNCLASSIFIED	-	-	-	-	2,700	$324	-	-
CRABS, BLUE:								
HARD	7,557,100	$372,647	2,315,200	$115,765	-	-	-	-
SOFT AND PEELER	58,500	29,250	255,100	126,267	-	-	-	-
TURTLES, BABY	-	-	5,800	43,500	-	-	-	-
OYSTERS, MARKET:								
PUBLIC:								
SPRING	-	-	-	-	-	-	487,000	$130,367
FALL	-	-	-	-	-	-	45,800	15,115
PRIVATE:								
SPRING	-	-	-	-	-	-	6,537,600	1,667,979
FALL	-	-	-	-	-	-	949,700	383,945
TOTAL	7,615,600	401,897	2,576,100	285,532	2,700	324	8,020,100	2,197,406

SPECIES	TONGS		GRABS		BRUSH TRAPS		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CRABS, SOFT AND PEELER	-	-	-	-	200,000	$100,000	-	-
SHRIMP	-	-	-	-	1,800	630	-	-
OYSTERS, MARKET:								
PUBLIC:								
SPRING	25,300	$8,921	-	-	-	-	6,700	$2,718
FALL	17,800	6,927	-	-	-	-	-	-
PRIVATE:								
SPRING	135,500	45,490	-	-	-	-	1,000	360
FALL	104,400	42,175	-	-	-	-	-	-
FROGS	-	-	5,700	$1,880	-	-	-	-
TOTAL	283,000	103,513	5,700	1,880	201,800	100,630	7,700	3,078

LOUISIANA - OPERATING UNITS BY PARISHES, 1960

ITEM	ASSUMPTION	CAMERON	IBERIA	JEFFERSON	JEFFERSON DAVIS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	1,291	-	255	-
ON BOATS AND SHORE:					
REGULAR	55	137	16	749	25
CASUAL	15	20	15	57	22
TOTAL	70	1,448	31	1,061	47
VESSELS, MOTOR	-	253	-	87	-
GROSS TONNAGE	-	16,821	-	2,745	-
BOATS:					
MOTOR	70	83	31	653	47
OTHER	-	-	-	5	-

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LOUISIANA - OPERATING UNITS BY PARISHES, 1960 - Continued

ITEM	ASSUMPTION	CAMERON	IBERIA	JEFFERSON	JEFFERSON DAVIS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
ACCESSORY BOATS	-	90	-	-	-
GEAR:					
PURSE SEINES, MENHADEN	-	30	-	-	-
LENGTH, YARDS	-	12,510	-	-	-
OTTER TRAWLS, SHRIMP	-	500	-	587	-
YARDS AT MOUTH	-	7,649	-	7,508	-
HOOP AND FYKE NETS	1,925	180	720	66	890
POTS AND TRAPS, CRAWFISH	3,250	-	-	-	-
GILL NETS, ANCHOR	-	4	3	-	-
SQUARE YARDS	-	4,000	3,000	-	4,000
TRAMMEL NETS	-	-	1	12	-
SQUARE YARDS	-	-	200	4,835	-
LINES:					
HAND	200	-	-	158	-
HOOKS	200	-	-	201	-
LONG OR SET WITH HOOKS	70	53	31	104	68
HOOKS	35,000	16,500	13,250	31,200	30,700
TROT WITH BAITS	1	-	-	216	-
BAITS	320	-	-	115,500	-
DIP NETS:					
COMMON	20	-	4	25	-
DROP	-	-	-	1,650	-
DREDGES, OYSTER, COMMON	-	-	-	54	-
YARDS AT MOUTH	-	-	-	63	-
TONGS, OYSTER	-	104	-	16	-
BRUSH TRAPS	-	-	-	18,200	-

ITEM	LAFOURCHE	ORLEANS	PLAQUEMINES	ST. BERNARD	ST. CHARLES
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	597	-	1,062	133	-
ON BOATS AND SHORE:					
REGULAR	456	38	422	355	55
CASUAL	13	24	73	38	35
TOTAL	1,066	62	1,557	526	90
VESSELS, MOTOR	224	-	268	53	-
GROSS TONNAGE	7,041	-	9,206	795	-
BOATS:					
MOTOR	248	57	296	227	90
OTHER	8	-	23	-	-
ACCESSORY BOATS	-	-	51	-	-
GEAR:					
HAUL SEINES, COMMON	-	-	-	8	-
LENGTH, YARDS	-	-	-	2,600	-
PURSE SEINES, MENHADEN	-	-	16	-	-
LENGTH, YARDS	-	-	5,998	-	-
OTTER TRAWLS, SHRIMP	574	6	520	201	-
YARDS AT MOUTH	9,072	72	7,525	2,832	-
HOOP AND FYKE NETS	-	-	600	-	-
GILL NETS, ANCHOR	-	-	9	-	-
SQUARE YARDS	-	-	1,836	-	-
TRAMMEL NETS	8	2	18	13	-
SQUARE YARDS	3,200	550	4,446	2,111	-
LINES:					
HAND	3	41	44	27	-
HOOKS	3	41	49	27	-
LONG OR SET WITH HOOKS	47	-	65	30	90
HOOKS	18,800	-	14,625	3,000	45,000
TROT WITH BAITS	62	-	37	126	42
BAITS	24,800	-	13,650	63,000	16,800
DIP NETS:					
COMMON	18	16	21	-	15
DROP	-	1,969	240	5,025	-
DREDGES, OYSTER, COMMON	94	-	160	97	-
YARDS AT MOUTH	113	-	182	107	-
TONGS, OYSTER	-	-	60	1	-

(CONTINUED ON NEXT PAGE)

LOUISIANA - OPERATING UNITS BY PARISHES, 1960 - Continued

ITEM	ST. MARY	ST. TAMMANY	TANGIPAHOA	TERREBONNE	VERMILION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	887	-	-	588	75
ON BOATS AND SHORE:					
REGULAR	203	37	40	1,077	-
CASUAL.	137	19	38	320	-
TOTAL	1,227	56	78	1,985	75
VESSELS, MOTOR.	264	-	-	241	25
GROSS TONNAGE	15,569	-	-	5,737	852
BOATS:					
MOTOR	325	54	78	1,033	-
OTHER	3	-	2	24	-
ACCESSORY BOATS	12	-	-	-	-
GEAR:					
HAUL SEINES, COMMON	3	1	-	4	-
LENGTH, YARDS	932	233	-	1,300	-
PURSE SEINES, MENHADEN. . .	4	-	-	-	-
LENGTH, YARDS	1,668	-	-	-	-
OTTER TRAWLS:					
FISH.	-	-	-	134	-
YARDS AT MOUTH.	-	-	-	2,250	-
SHRIMP.	535	-	-	1,162	50
YARDS AT MOUTH.	8,177	-	-	14,421	749
HOOP AND FYKE NETS.	6,585	61	-	290	-
POTS AND TRAPS:					
CRAB.	-	-	300	-	-
CRAWFISH.	110	-	1,700	-	-
GILL NETS, ANCHOR	34	-	11	2	-
SQUARE YARDS.	26,600	-	4,235	1,200	-
TRAMMEL NETS.	2	-	5	8	-
SQUARE YARDS.	400	-	1,512	1,600	-
LINES:					
HAND.	5,915	31	-	16	-
HOOKS	5,985	31	-	32	-
LONG OR SET WITH HOOKS. .	287	7	64	50	-
HOOKS	105,400	1,550	31,700	10,000	-
TROT WITH BAITS	44	-	-	70	-
BAITS	17,700	-	-	70,000	-
DIP NETS:					
COMMON.	-	17	13	70	-
DROP.	-	5,150	-	1,080	-
SPEARS.	-	9	-	-	-
DREDGES, OYSTER, COMMON . .	-	-	-	50	-
YARDS AT MOUTH.	-	-	-	56	-
TONGS, OYSTER	-	-	-	30	-
GRABS, FROG	108	-	9	-	-

LOUISIANA - CATCH BY PARISHES, 1960

SPECIES	ASSUMPTION		CAMERON		IBERIA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN.	-	-	-	-	1,600	$66
BUFFALOFISH	3,700	$444	18,100	$2,172	37,100	4,452
CARP.	-	-	1,200	60	900	45
CATFISH AND BULLHEADS	1,278,300	242,877	200,500	38,095	62,500	11,875
GARFISH	-	-	72,000	3,600	33,000	1,650
MENHADEN.	-	-	198,942,400	2,158,231	-	-
SHEEPSHEAD, FRESH-WATER . . .	77,300	6,184	47,700	3,816	10,400	832
SNAPPER, RED.	-	-	3,700	925	-	-
CRABS, BLUE, HARD	4,700	235	-	-	-	-
CRAWFISH, FRESH-WATER	600,000	138,000	-	-	-	-
SHRIMP.	-	-	5,549,800	1,389,197	-	-
OYSTERS, MARKET, PUBLIC:						
SPRING.	-	-	25,300	8,921	-	-
FALL.	-	-	17,800	6,927	-	-
TURTLES:						
BABY.	400	3,000	-	-	300	2,250
SNAPPER	4,100	615	-	-	-	-
TOTAL	1,968,500	391,355	204,878,500	3,611,944	145,800	21,170

LOUISIANA - CATCH BY PARISHES, 1960 - Continued

SPECIES	JEFFERSON		JEFFERSON DAVIS		LAFOURCHE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	1,500	$120	-	-	-	-
BUFFALOFISH	4,200	504	41,200	$4,944	-	-
CARP	-	-	11,200	560	-	-
CATFISH AND BULLHEADS	304,300	54,774	99,800	18,962	320,500	$70,519
CROAKER	3,500	175	-	-	-	-
DRUM:						
BLACK	19,300	995	-	-	14,000	1,675
RED	56,200	7,780	-	-	28,600	4,290
FLOUNDERS, UNCLASSIFIED	2,400	367	-	-	41,900	4,190
GARFISH	5,400	450	-	-	-	-
GROUPERS	500	25	-	-	-	-
KING WHITING OR "KINGFISH"	60,100	3,005	-	-	66,500	3,327
MULLET, BLACK	10,000	500	-	-	-	-
PADDLEFISH	-	-	2,300	230	-	-
POMPANO	2,300	790	-	-	-	-
SAWFISH	3,700	185	-	-	-	-
SEA CATFISH	3,800	190	-	-	-	-
SEA TROUT OR WEAKFISH:						
SPOTTED	55,500	11,100	-	-	23,500	5,170
WHITE	2,200	110	-	-	-	-
SHARKS, UNCLASSIFIED	800	40	-	-	-	-
SHEEPSHEAD:						
FRESH-WATER	5,700	855	19,000	1,520	-	-
SALT-WATER	8,400	756	-	-	6,100	727
SNAPPER, RED	8,900	1,930	-	-	36,200	7,242
CRABS, BLUE:						
HARD	4,287,000	214,350	-	-	675,100	33,755
SOFT AND PEELER	229,200	114,600	-	-	-	-
SHRIMP	11,999,000	3,078,252	-	-	9,891,700	2,664,731
OYSTERS, MARKET:						
PUBLIC, SPRING	6,700	2,718	-	-	-	-
PRIVATE:						
SPRING	1,343,700	314,672	-	-	1,158,300	278,419
FALL	9,500	3,946	-	-	15,700	5,962
TURTLES:						
GREEN	2,000	100	-	-	-	-
BABY	300	2,250	-	-	900	6,750
SNAPPER	2,400	288	-	-	-	-
TOTAL	18,438,500	3,815,827	173,500	26,216	12,279,000	3,086,757

SPECIES	ORLEANS		PLAQUEMINES		ST. BERNARD	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	-	-	51,100	$6,132	-	-
CATFISH AND BULLHEADS	-	-	816,600	146,986	50,000	$9,000
CROAKER	2,100	$340	10,100	505	8,500	425
DRUM:						
BLACK	4,400	340	66,200	3,310	72,800	3,640
RED	13,800	3,034	66,800	10,125	150,200	22,530
FLOUNDERS, UNCLASSIFIED	-	-	20,900	2,242	7,000	740
GARFISH	-	-	30,000	1,500	3,400	170
GROUPERS	-	-	3,300	165	-	-
JEWFISH	-	-	100	5	-	-
KING WHITING OR "KINGFISH"	-	-	74,000	3,700	55,000	2,750
MENHADEN	-	-	206,207,300	2,261,004		-
MULLET, BLACK	-	-	-	-	2,800	140
POMPANO	-	-	2,000	790	700	175
SAWFISH	-	-	4,500	225	900	45
SEA CATFISH	-	-	12,700	635	16,600	830
SEA TROUT OR WEAKFISH:						
SPOTTED	29,800	6,265	57,100	11,420	140,700	35,175
WHITE	1,300	65	13,200	760	13,100	655
SHARKS, UNCLASSIFIED	-	-	1,500	75	1,600	80
SHEEPSHEAD:						
FRESH-WATER	-	-	16,100	2,415	-	-
SALT-WATER	13,200	1,320	38,900	3,890	32,700	3,270
SNAPPER, RED	-	-	28,100	6,650	-	-
SPANISH MACKEREL	-	-	700	35	-	-
TRIPLETAIL	-	-	500	25	-	-
CRABS, BLUE:						
HARD	171,600	8,590	681,800	34,090	1,834,400	91,720
SOFT AND PEELER	84,300	41,307	-	-	154,000	77,000
SHRIMP	42,000	12,500	5,210,600	1,346,238	2,019,600	424,332
OYSTERS, MARKET:						
PUBLIC:						
SPRING	-	-	235,300	54,354	251,700	76,013
FALL	-	-	45,800	15,115	-	-
PRIVATE:						
SPRING	-	-	2,289,400	590,809	677,300	211,608
FALL	-	-	485,000	193,498	479,400	199,430
SQUID	-	-	1,800	180	-	-
TURTLES:						
GREEN	-	-	1,500	75	700	140
BABY	300	2,250	300	2,250	-	-
SNAPPER	-	-	1,500	150	-	-
TOTAL	362,800	76,011	216,474,700	4,699,355	5,973,100	1,159,868

LOUISIANA - CATCH BY PARISHES, 1960 - Continued

SPECIES	ST. CHARLES		ST. MARY		ST. TAMMANY	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	3,600	$144	-	-
BUFFALOFISH	-	-	414,400	49,728	1,300	$152
CARP	-	-	2,100	104	-	-
CATFISH AND BULLHEADS	634,300	$139,540	1,802,000	342,380	13,000	2,860
DRUM:						
BLACK	-	-	-	-	1,000	70
RED	-	-	-	-	8,400	1,711
FLOUNDERS, UNCLASSIFIED	-	-	4,000	600	2,700	324
GARFISH	-	-	117,800	5,890	-	-
GROUPERS	-	-	19,900	1,990	-	-
JEWFISH	-	-	19,900	1,791	-	-
KING WHITING OR "KINGFISH"	-	-	-	-	300	15
MENHADEN	-	-	64,958,000	719,410	-	-
SCUP OR PORGY	-	-	800	72	-	-
SEA TROUT OR WEAKFISH:						
SPOTTED	-	-	-	-	21,600	4,752
WHITE	-	-	-	-	300	15
SHEEPSHEAD:						
FRESH-WATER	-	-	234,500	18,760	900	72
SALT-WATER	-	-	-	-	400	40
SNAPPER:						
MANGROVE	-	-	1,800	270	-	-
RED	-	-	336,600	84,150	-	-
CRABS, BLUE:						
HARD	332,500	16,625	528,900	26,445	738,000	36,895
SOFT AND PEELER	-	-	-	-	33,000	16,100
CRAWFISH, FRESH-WATER	-	-	3,600	828	-	-
SHRIMP	-	-	8,298,800	2,978,298	-	-
TURTLES:						
BABY	700	5,250	-	-	100	750
SNAPPER	-	-	13,100	1,965	-	-
FROGS	-	-	2,000	500	-	-
TOTAL	967,500	161,415	76,761,800	4,233,325	821,000	63,756

SPECIES	TANGIPAHOA		TERREBONNE		VERMILION	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	105,000	$12,600	500	$50	-	-
CATFISH AND BULLHEADS	239,400	52,560	125,900	25,180	-	-
CROAKER	-	-	10,900	605	-	-
DRUM:						
BLACK	-	-	12,500	1,000	-	-
RED	-	-	104,000	13,800	-	-
FLOUNDERS, UNCLASSIFIED	-	-	6,000	700	-	-
GARFISH	48,100	2,120	24,800	1,240	-	-
GROUPERS	-	-	500	25	-	-
KING WHITING OR "KINGFISH"	-	-	27,600	1,590	-	-
MULLET, BLACK	-	-	9,000	720	-	-
PADDLEFISH	9,200	920	-	-	-	-
POMPANO	-	-	600	150	-	-
SAWFISH	-	-	1,700	136	-	-
SEA CATFISH	-	-	6,100	488	-	-
SEA TROUT OR WEAKFISH:						
SPOTTED	-	-	89,300	17,860	-	-
WHITE	-	-	20,000	1,600	-	-
SHARKS, UNCLASSIFIED	-	-	1,100	55	-	-
SHEEPSHEAD:						
FRESH-WATER	69,300	5,545	4,500	410	-	-
SALT-WATER	-	-	17,400	1,392	-	-
SKATES	-	-	2,000	160	-	-
SNAPPER, RED	-	-	12,500	3,125	-	-
SPANISH MACKEREL	-	-	400	60	-	-
TRIPLETAIL	-	-	300	30	-	-
UNCLASSIFIED, BAIT, REDUCTION, AND ANIMAL FOOD	-	-	5,261,800	47,358	-	-
CRABS, BLUE:						
HARD	178,900	8,945	520,800	20,832	96,000	$4,800
SOFT AND PEELER	13,100	6,510	-	-	-	-
CRAWFISH, FRESH-WATER	113,600	18,170	-	-	-	-
SHRIMP	-	-	15,460,100	3,167,511	3,286,300	820,138
OYSTERS, MARKET, PRIVATE:						
SPRING	-	-	1,205,400	318,321	-	-
FALL	-	-	64,500	23,284	-	-
TURTLES:						
GREEN	-	-	2,000	100	-	-
BABY	300	2,250	2,200	16,500	-	-
SNAPPER	1,100	110	8,000	1,200	-	-
FROGS	3,700	1,380	-	-	-	-
TOTAL	781,700	111,110	23,002,400	3,665,482	3,382,300	824,938

GULF FISHERIES

TEXAS

OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	PURSE SEINES, MENHADEN	OTTER TRAWLS, SHRIMP	HOOP AND FYKE NETS, FISH
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	-	389	4,142	-
ON BOATS AND SHORE:				
REGULAR	60	-	570	2
CASUAL	6	-	87	-
TOTAL	66	389	4,799	2
VESSELS, MOTOR	-	18	1,521	-
GROSS TONNAGE	-	2,769	76,060	-
BOATS:				
MOTOR	21	-	421	2
OTHER	1	-	-	-
ACCESSORY BOATS	-	54	-	-
GEAR:				
NUMBER	24	18	3,386	10
LENGTH, YARDS	4,966	9,000	-	-
YARDS AT MOUTH	-	-	50,991	-

ITEM	POTS, CRAB	GILL NETS, ANCHOR	TRAMMEL NETS	LINES	
				HAND	LONG OR SET WITH HOOKS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	-	-	429	-
ON BOATS AND SHORE:					
REGULAR	71	115	117	37	113
CASUAL	-	-	1	97	7
TOTAL	71	115	118	563	120
VESSELS, MOTOR	-	-	-	118	-
GROSS TONNAGE	-	-	-	5,958	-
BOATS:					
MOTOR	63	95	61	130	120
OTHER	-	-	12	-	-
GEAR:					
NUMBER	7,099	92	60	564	141
SQUARE YARDS	-	49,236	38,458	-	-
HOOKS	-	-	-	1,424	302,300

ITEM	SPEARS	DREDGES, OYSTER, COMMON	TONGS, OYSTER	BY HAND, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	170	-	-	4,789
ON BOATS AND SHORE:					
REGULAR	52	298	53	14	946
CASUAL	50	-	-	-	194
TOTAL	102	468	53	14	5,929
VESSELS, MOTOR	-	57	-	-	1,591
GROSS TONNAGE	-	843	-	-	79,724
BOATS:					
MOTOR	18	155	32	-	765
OTHER	-	-	-	-	13
ACCESSORY BOATS	-	-	-	-	54
GEAR:					
NUMBER	102	212	53	-	-
YARDS AT MOUTH	-	212	-	-	-

TEXAS - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CROAKER	700	$49	-	-	14,600	$1,090
DRUM:						
BLACK	141,600	11,328	-	-	15,600	1,092
RED	59,200	11,700	-	-	-	-
FLOUNDERS, UNCLASSIFIED	4,400	1,100	-	-	44,800	13,963
KING WHITING OR "KINGFISH"	-	-	-	-	33,900	2,236
MENHADEN	-	-	145,574,900	$1,496,793	-	-
MULLET, BLACK	400	18	-	-	46,800	1,418
POMPANO	800	400	-	-	-	-
SEA CATFISH	5,100	408	-	-	10,100	776
SEA TROUT OR WEAKFISH:						
SPOTTED	267,100	58,502	-	-	30,600	6,120
WHITE	-	-	-	-	6,000	420
SHEEPSHEAD, SALT-WATER	5,900	428	-	-	12,000	952
SNAPPER, RED	-	-	-	-	11,900	3,058
UNCLASSIFIED:						
FOR FOOD	-	-	-	-	13,700	685
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	236,500	6,763
CRABS, BLUE, HARD	-	-	-	-	82,300	3,299
SHRIMP	-	-	-	-	81,303,300	24,606,244
SQUID	-	-	-	-	12,300	1,001
TOTAL	485,200	83,933	145,574,900	1,496,793	81,874,400	24,649,117

SPECIES	HOOP AND FYKE NETS		POTS AND TRAPS		GILL NETS, ANCHOR	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	28,000	$2,240	-	-	-	-
CATFISH AND BULLHEADS	5,600	1,232	-	-	-	-
DRUM:						
BLACK	-	-	-	-	754,600	$60,368
RED	-	-	-	-	71,600	14,320
FLOUNDERS, UNCLASSIFIED	-	-	-	-	23,100	5,775
POMPANO	-	-	-	-	1,700	595
SEA CATFISH	-	-	-	-	300	24
SEA TROUT OR WEAKFISH SPOTTED	-	-	-	-	124,400	27,368
SHEEPSHEAD, SALT-WATER	-	-	-	-	8,000	482
CRABS:						
BLUE:						
HARD	-	-	2,784,200	$173,064	-	-
SOFT AND PEELER	-	-	1,900	412	-	-
STONE	-	-	1,000	375	-	-
TOTAL	33,600	3,472	2,787,100	173,851	983,700	108,932

SPECIES	TRAMMEL NETS		LINES			
			HAND		LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CABIO	-	-	3,800	$380	-	-
CATFISH AND BULLHEADS	-	-	-	-	29,800	$6,711
CROAKER	1,500	$80	600	42	-	-
DRUM:						
BLACK	116,100	9,288	17,400	1,378	474,500	37,960
RED	152,000	29,698	11,500	2,278	410,600	79,978
FLOUNDERS, UNCLASSIFIED	4,300	1,080	600	150	400	100
GROUPERS	-	-	43,200	3,892	-	-
JEWFISH	-	-	13,300	925	-	-
KING WHITING OR "KINGFISH"	-	-	200	20	-	-
MULLET, BLACK	70,500	1,410	-	-	-	-
POMPANO	-	-	-	-	1,800	645
SEA CATFISH	2,200	176	300	24	1,000	80
SEA TROUT OR WEAKFISH, SPOTTED	438,600	99,100	15,200	3,344	401,400	82,838
SHEEPSHEAD:						
FRESH-WATER	-	-	-	-	500	75
SALT-WATER	16,600	1,178	1,700	134	1,200	72
SNAPPER, RED	-	-	1,140,700	290,214	-	-
SNOOK	-	-	1,000	200	-	-
SPANISH MACKEREL	400	40	300	30	-	-
WARSAW	-	-	15,400	1,540	-	-
UNCLASSIFIED:						
FOR FOOD	5,400	270	-	-	-	-
BAIT, REDUCTION, AND ANIMAL FOOD	159,700	3,194	-	-	-	-
TOTAL	967,300	145,514	1,265,200	304,551	1,321,200	208,459

(CONTINUED ON NEXT PAGE)

TEXAS - CATCH BY GEAR, 1960 - Continued

SPECIES	SPEARS		DREDGES		TONGS		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS, UNCLASSIFIED . . .	95,200	$23,600	-	-	-	-	-	-
OYSTERS, MARKET:								
PUBLIC:								
SPRING.	-	-	1,295,400	$330,947	213,200	$48,878	15,400	$3,762
FALL.	-	-	690,500	243,310	15,500	5,447	2,300	1,035
PRIVATE:								
SPRING.	-	-	46,900	14,083	800	230	-	-
FALL.	-	-	16,300	6,840	-	-	-	-
TOTAL	95,200	23,600	2,049,100	595,180	229,500	54,555	17,700	4,797

TEXAS - OPERATING UNITS BY COUNTIES, 1960

ITEM	ARANSAS	BRAZORIA	CALHOUN	CAMERON	CHAMBERS	GALVESTON	HARRIS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS.	685	957	21	1,356	20	557	61
ON BOATS AND SHORE:							
REGULAR	105	-	114	35	44	211	64
CASUAL.	10	2	10	7	1	22	6
TOTAL	800	959	145	1,398	65	790	131
VESSELS, MOTOR.	241	356	7	474	7	201	20
GROSS TONNAGE	12,037	18,410	385	26,673	84	7,070	584
BOATS:							
MOTOR	83	-	73	39	27	136	48
OTHER	1	-	9	-	-	-	-
GEAR:							
HAUL SEINES, COMMON	-	1	2	-	-	8	-
LENGTH, YARDS	-	200	400	-	-	1,766	-
OTTER TRAWLS, SHRIMP. . . .	514	713	62	927	2	408	73
YARDS AT MOUTH.	8,119	10,356	917	14,752	44	5,847	1,034
HOOP AND FYKE NETS.	-	-	10	-	-	-	-
POTS, CRAB.	3,600	-	100	-	240	240	-
GILL NETS, ANCHOR	4	-	15	11	-	-	-
SQUARE YARDS.	1,067	-	7,995	11,276	-	-	-
TRAMMEL NETS.	4	-	15	-	1	8	-
SQUARE YARDS.	3,200	-	12,000	-	366	2,926	-
LINES							
HANDS	49	14	15	242	-	92	7
HOOKS	94	49	15	700	-	334	7
LONG OR SET WITH HOOKS. .	3	-	42	35	6	-	-
HOOKS	1,500	-	15,250	140,000	3,300	-	-
SPEARS.	15	-	20	14	-	2	-
DREDGES, OYSTERS, COMMON . .	10	-	35	-	27	82	27
YARDS AT MOUTH.	10	-	35	-	27	82	27
TONGS, OYSTER	2	-	4	-	-	-	-

ITEM	JEFFERSON	KLEBERG	MATAGORDA	NUECES	REFUGIO	WILLACY
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	778	-	54	300	-	-
ON BOATS AND SHORE:						
REGULAR	22	7	150	156	18	20
CASUAL.	34	3	37	57	-	5
TOTAL	834	10	241	513	18	25
VESSELS, MOTOR.	161	-	21	103	-	-
GROSS TONNAGE	8,208	-	617	5,656	-	-
BOATS:						
MOTOR	44	10	119	152	9	-
OTHER	-	-	-	3	-	-
ACCESSORY BOATS	54	-	-	-	-	-
GEAR:						
HAUL SEINES, COMMON	-	-	-	13	-	-
LENGTH, YARDS	-	-	-	2,600	-	-

(CONTINUED ON NEXT PAGE)

TEXAS - OPERATING UNITS BY COUNTIES, 1960 - Continued

ITEM	JEFFERSON	KLEBERG	MATAGORDA	NUECES	REFUGIO	WILLACY
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
GEAR - CONTINUED:						
PURSE SEINES, MENHADEN	18	-	-	-	-	-
LENGTH, YARDS	9,000	-	-	-	-	-
OTTER TRAWLS, SHRIMP	310	-	126	242	9	-
YARDS AT MOUTH	4,521	-	1,455	3,826	120	-
POTS, CRAB	300	-	2,400	219	-	-
GILL NETS, ANCHOR	-	5	-	47	-	10
SQUARE YARDS	-	1,500	-	16,732	-	10,666
TRAMMEL NETS	1	-	24	7	-	-
SQUARE YARDS	366	-	14,000	5,600	-	-
LINES:						
HAND	22	6	-	109	-	8
HOOKS	44	6	-	167	-	8
LONG OR SET WITH HOOKS	-	5	-	30	-	20
HOOKS	-	3,750	-	58,500	-	80,000
SPEARS	-	-	-	43	-	8
DREDGES, OYSTER, COMMON	-	-	23	-	8	-
YARDS AT MOUTH	-	-	23	-	8	-
TONGS, OYSTER	-	-	12	35	-	-

TEXAS - CATCH BY COUNTIES, 1960

SPECIES	ARANSAS		BRAZORIA		CALHOUN	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	-	-	-	-	28,000	$2,240
CABIO	-	-	1,600	$160	100	10
CATFISH AND BULLHEADS	-	-	-	-	16,700	3,674
DRUM:						
BLACK	9,900	$792	-	-	37,800	3,024
RED	6,500	1,300	-	-	84,200	16,840
FLOUNDERS, UNCLASSIFIED	6,400	1,600	7,300	1,817	27,300	10,200
GROUPERS	-	-	4,300	430	-	-
JEWFISH	-	-	-	-	1,300	65
KING WHITING OR "KINGFISH"	-	-	14,800	742	900	90
MULLET, BLACK	44,100	1,323	1,300	52	1,000	30
SEA CATFISH	800	64	-	-	2,900	232
SEA TROUT OR WEAKFISH, SPOTTED	47,300	10,406	13,000	2,600	241,400	53,108
SHEEPSHEAD, SALT-WATER	400	32	300	16	9,900	700
SNAPPER, RED	17,400	4,350	151,400	40,880	400	100
WARSAW	-	-	3,300	330	-	-
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	185,300	5,559	-	-	-	-
CRABS:						
BLUE, HARD	1,284,800	77,088	-	-	6,600	389
STONE	1,000	375	-	-	-	-
SHRIMP	11,843,300	3,543,934	20,220,100	6,266,875	1,581,800	350,286
OYSTERS, MARKET, PUBLIC:						
SPRING	40,100	8,421	-	-	427,200	90,024
FALL	8,600	2,924	-	-	229,700	75,801
SQUID	-	-	3,300	165	-	-
TOTAL	13,495,900	3,658,168	20,420,700	6,314,067	2,697,200	606,813

SPECIES	CAMERON		CHAMBERS		GALVESTON	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CABIO	-	-	-	-	500	$50
CATFISH AND BULLHEADS	1,400	$112	11,700	$2,925	-	-
CROAKER	3,200	320	-	-	10,900	763
DRUM:						
BLACK	399,500	31,960	-	-	17,000	1,190
RED	216,400	41,138	1,100	198	15,400	2,772
FLOUNDERS, UNCLASSIFIED	16,200	3,240	-	-	13,000	3,250
GROUPERS	21,400	1,712	-	-	14,300	1,430
JEWFISH	1,000	80	-	-	4,600	460
KING WHITING OR "KINGFISH"	-	-	-	-	11,600	1,160
MULLET, BLACK	-	-	-	-	300	15
POMPANO	3,400	1,190	-	-	-	-

(CONTINUED ON NEXT PAGE)

TEXAS - CATCH BY COUNTIES, 1960 - Continued

SPECIES	CAMERON		CHAMBERS		GALVESTON	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SEA CATFISH	-	-	-	-	3,200	$224
SEA TROUT OR WEAKFISH:						
SPOTTED	304,100	$60,820	-	-	42,000	9,240
WHITE	-	-	-	-	6,000	420
SHEEPSHEAD:						
FRESH-WATER	-	-	500	$75	-	-
SALT-WATER	-	-	-	-	20,500	1,640
SNAPPER, RED	282,900	70,725	-	-	387,100	96,775
SNOOK	1,000	200	-	-	-	-
SPANISH MACKEREL	-	-	-	-	600	60
WARSAW	-	-	-	-	10,100	1,010
UNCLASSIFIED:						
FOR FOOD	-	-	-	-	13,100	655
BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	33,200	664
CRABS, BLUE, HARD	-	-	13,800	1,032	88,600	4,804
SHRIMP	27,072,600	8,879,523	9,300	1,953	8,189,100	2,222,479
OYSTERS, MARKET:						
PUBLIC:						
SPRING	2,200	990	315,300	90,085	353,800	101,075
FALL	2,300	1,035	179,800	61,632	147,600	56,225
PRIVATE:						
SPRING	-	-	12,000	4,098	29,600	8,470
FALL	-	-	8,300	3,810	8,000	3,030
SQUID	1,200	96	-	-	7,000	700
TOTAL	28,328,800	9,093,141	551,800	165,808	9,427,100	2,518,561

SPECIES	HARRIS		JEFFERSON		KLEBERG	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
DRUM:						
BLACK	-	-	400	$32	51,000	$4,080
RED	-	-	3,000	540	3,400	680
GROUPERS	400	$40	2,500	250	-	-
MENHADEN	-	-	145,574,900	1,496,793	-	-
SEA TROUT OR WEAKFISH, SPOTTED	-	-	3,700	740	5,000	1,100
SNAPPER, RED	45,800	11,450	104,600	28,242	-	-
WARSAW	-	-	2,000	200	-	-
CRABS, BLUE, HARD	-	-	113,400	9,700	-	-
SHRIMP	849,000	196,848	3,401,400	885,649	-	-
OYSTERS, MARKET, PUBLIC·						
SPRING	47,100	13,460	-	-	-	-
FALL	8,900	3,390	-	-	-	-
TOTAL	951,200	225,188	149,205,900	2,422,146	59,400	5,860

SPECIES	MATAGORDA		NUECES		REFUGIO		WILLACY	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CABIO	-	-	1,600	$160	-	-	-	-
CATFISH AND BULLHEADS	-	-	5,600	1,232	-	-		-
CROAKER	500	$10	2,800	168	-	-	-	-
DRUM:								
BLACK	27,800	2,224	577,700	46,216	-	-	398,700	$31,896
RED	23,600	4,246	277,900	55,580	-	-	73,400	14,680
FLOUNDERS, UNCLASSIFIED	2,500	636	95,700	23,925	-	-	4,400	1,100
GROUPERS	-	-	300	30	-	-	-	-
JEWFISH	-	-	6,400	320	-	-	-	-
KING WHITING OR "KINGFISH"	6,300	214	500	50	-	-	-	-
MULLET, BLACK	70,500	1,410	500	16	-	-	-	-
POMPANO	-	-	900	450	-	-	-	-
SEA CATFISH	100	8	12,000	960	-	-	-	-
SEA TROUT OR WEAKFISH, SPOTTED	89,400	22,350	465,300	102,366	-	-	66,100	14,542
SHEEPSHEAD, SALT-WATER	300	16	14,000	842	-	-	-	-
SNAPPER, RED	-	-	163,000	40,750	-	-	-	-
SPANISH MACKEREL	100	10	-	-	-	-	-	-
UNCLASSIFIED:								
FOR FOOD	5,400	270	600	30	-	-	-	-
BAIT, REDUCTION, AND ANIMAL FOOD	159,700	3,194	18,000	540	-	-	-	-
CRABS, BLUE:								
HARD	1,119,000	71,335	240,300	12,015	-	-	-	-
SOFT AND PEELER	1,900	412	-	-	-	-	-	-
SHRIMP	1,975,700	454,540	5,991,000	1,781,331	170,000	$22,826	-	-
OYSTERS, MARKET:								
PUBLIC:								
SPRING	112,100	32,030	162,500	34,125	63,700	13,377	-	-
FALL	100,400	38,245	11,100	3,774	19,900	6,766	-	-
PRIVATE, SPRING	6,100	1,745	-	-	-	-	-	-
SQUID	-	-	800	- 40	-	-	-	-
TOTAL	3,701,400	632,895	8,048,500	2,104,920	253,600	42,969	542,600	62,218

GULF SHRIMP FISHERY

Detailed statistics on landings of shrimp by United States craft at Gulf of Mexico ports were collected during 1960 for the fifth consecutive year. The data summarized on a monthly basis in the following tabulations include information on species by size; volume and value landed in each State; the number of fishing trips; days fished; and the catch by area, depth, and size of shrimp. Catch figures represent the heads-off weight and, therefore, are not directly comparable with the heads-on (live-weight) quantities published in the General Review, regional tables, or the Review of Certain Major Fisheries. The pounds of heads-off shrimp may be converted to a heads-on weight by multiplying by 1.68.

Landings at Gulf of Mexico ports in 1960 totaled 122.5 million pounds (heads-off) with a dockside value of $57.6 million to the fishermen. Compared with 1959, this was an increase of 6 percent in volume and 14 percent in value. Prices were up in all size categories except the under 15 count size which remained unchanged from the previous year. The greatest increase was in the 26 to 30 and 31 to 40 count size.

The economy of the shrimp fishery showed some gains in 1960 over the previous year when many fishermen had suffered disastrous losses. Larger catches were taken in the Sanibel-Tortugas area where fewer trips yielded a 77-percent increase in volume. However, although larger catches were also taken off the Texas Coast, in the Apalachicola area, and off Louisiana; greater fishing effort was required to make the catches. During the year, a few craft were rigged with three trawls as an experimental attempt to increase the yield.

Fishing effort on the high seas off the Mexican Coast west of 94° declined as did the catch; however, fewer trips yielded more shrimp in the Campeche area.

Three varieties of shrimp made up the bulk of the catch: Brown (*Penaeus aztecus*), 54 percent; pink (*Penaeus duorarum*), 22 percent; and white (*Penaeus setiferus*), 23 percent. The catch of sea bobs (*Xiphopenaeus kroyeri*) accounted for only 1 percent.

Fishing craft using shrimp otter trawls and operating out of United States ports along the Gulf of Mexico completed 181,120 trips and fished 186,526 24-hour days during 1960. Compared with 1959, this was a 7-percent increase in the total number of trips and a 6-percent increase in the number of 24-hour days fished.

Information on the landings and catch of shrimp in the Gulf area contained in the following tables has been previously published in Current Fishery Statistics No. 2604. Monthly data on the landings and value of shrimp by variety and size for the South Atlantic States are included in Section 5 of this Digest.

SUMMARY OF SHRIMP LANDINGS, 1960

SIZE	BROWN		PINK		WHITE		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
UNDER 15 . .	2,029,922	$1,468,666	63,142	$45,617	228,869	$168,558	2,321,933	$1,682,841
15 - 20. . .	7,678,848	5,149,348	1,148,858	749,906	3,307,216	2,270,737	12,134,922	8,169,991
21 - 25. . .	9,463,542	5,593,275	4,504,679	2,702,514	4,198,151	2,496,775	18,166,372	10,792,564
26 - 30. . .	7,120,813	3,779,246	4,984,383	2,804,963	3,776,975	2,000,417	15,882,171	8,584,626
31 - 40. . .	17,803,102	8,088,926	6,644,521	3,317,389	6,563,388	3,017,923	31,011,011	14,424,238
41 - 50. . .	7,550,629	3,074,703	3,887,506	1,535,800	3,665,585	1,403,844	15,103,720	6,014,347
51 - 67. . .	5,079,920	1,897,420	2,958,176	916,729	4,412,495	1,353,302	12,450,591	4,167,451
68 AND OVER.	9,169,743	2,523,579	2,320,019	445,060	2,228,860	569,645	13,718,622	3,538,284
TOTAL. .	65,896,519	31,575,163	26,511,284	12,517,978	28,381,539	13,281,201	120,789,342	57,374,342

NOTE:--THIS TABLE DOES NOT INCLUDE DATA ON 1,665,098 POUNDS OF SEA BOBS, VALUED AT $256,985.

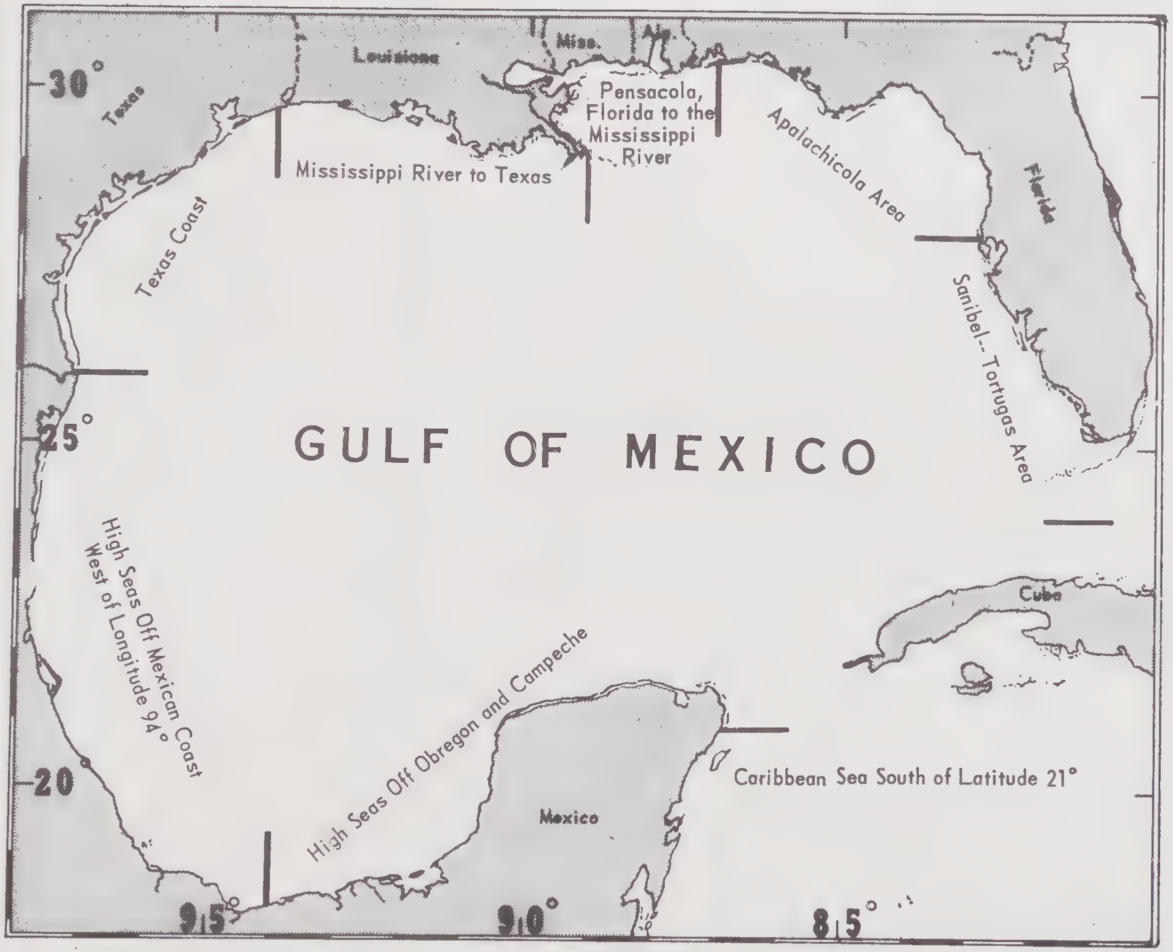
Texas
Louisiana
Miss.
Ala.
Florida
Cuba
Mexico
30°
25°
20°
95°
90°
85°
GULF OF MEXICO
Texas Coast
Mississippi River to Texas
Pensacola, Florida to the Mississippi River
Apalachicola Area
Sanibel-- Tortugas Area
Caribbean Sea South of Latitude 21°
High Seas Off Obregon and Campeche
High Seas Off Mexican Coast West of Longitude 94°

Chart depicting the major statistical areas used in reporting the shrimp catch by fishing craft on trips completed during 1960.

FLORIDA, WEST COAST SHRIMP LANDINGS, BY MONTHS, 1960

SPECIES AND SIZE	JANUARY		FEBRUARY		MARCH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
15 - 20.	-	-	4,126	$2,603	35,619	$23,923
21 - 25.	5,858	$2,958	-	-	4,430	2,792
26 - 30.	-	-	-	-	2,381	1,429
31 - 40.	-	-	-	-	5,758	3,159
41 - 50.	-	-	-	-	376	227
68 AND OVER.	-	-	-	-	178	97
TOTAL	5,858	2,958	4,126	2,603	48,742	31,627
PINK:						
15 - 20.	146,599	84,602	213,847	132,958	74,534	50,085
21 - 25.	492,648	260,085	467,892	265,973	307,305	191,483
26 - 30.	523,678	248,540	401,978	207,823	242,053	139,009
31 - 40.	695,082	283,184	320,451	143,642	496,759	254,914
41 - 50.	301,996	100,783	149,678	55,948	339,476	147,766
51 - 67.	128,009	32,885	154,284	44,719	243,945	83,343
68 AND OVER.	171,857	30,693	346,886	73,076	485,881	106,774
TOTAL	2,459,869	1,040,772	2,055,016	924,139	2,189,953	973,374
WHITE:						
15 - 20.	-	-	53,933	34,015	16,442	11,151
21 - 25.	4,741	2,608	7,772	4,449	936	607
26 - 30.	4,749	2,485	2,830	1,472	1,235	808
31 - 40.	4,354	2,017	1,587	812	401	250
41 - 50.	830	303	2,707	1,270	949	528
51 - 67.	987	339	971	371	900	456
68 AND OVER.	1,539	304	726	168	1,519	756
TOTAL	17,200	8,056	70,526	42,557	22,382	14,556
SEA BOBS	550	46	-	-	-	-
TOTAL, 1960	2,483,477	1,051,832	2,129,668	969,299	2,261,077	1,019,557
TOTAL, 1959	2,163,846	1,341,843	1,835,409	1,188,145	1,590,111	890,142

SPECIES AND SIZE	APRIL		MAY		JUNE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
15 - 20.	32,583	$24,053	13,294	$9,699	25,959	$18,808
21 - 25.	6,804	4,750	11,186	7,720	8,274	5,433
26 - 30.	200	123	5,381	3,444	3,765	2,293
31 - 40.	1,000	596	10,077	5,898	33,337	18,946
41 - 50.	-	-	4,975	2,487	8,598	4,112
51 - 67.	1,202	641	751	330	38,766	12,411
68 AND OVER.	-	-	915	241	36,308	9,421
TOTAL	41,789	30,163	46,579	29,819	155,007	71,424
PINK:						
15 - 20.	84,424	61,061	56,870	41,054	25,766	18,665
21 - 25.	142,313	96,329	277,141	187,565	208,139	141,845
26 - 30.	331,477	210,855	383,932	246,499	273,723	175,939
31 - 40.	639,272	369,287	485,503	280,940	491,006	285,447
41 - 50.	302,387	142,670	270,916	127,081	177,436	81,966
51 - 67.	313,856	114,021	292,418	112,106	105,765	38,925
68 AND OVER.	469,044	79,593	262,981	42,026	63,827	9,789
TOTAL	2,282,773	1,073,816	2,029,761	1,037,271	1,345,662	752,576
WHITE:						
15 - 20.	500	356	5,482	3,877	1,208	878
21 - 25.	2,298	1,498	15,892	10,586	2,713	1,829
26 - 30.	2,326	1,413	3,200	1,771	1,265	765
31 - 40.	28	19	92	57	68	38
51 - 67.	-	-	436	180	-	-
68 AND OVER.	-	-	1,135	302	-	-
TOTAL	5,152	3,286	26,237	16,773	5,254	3,510
SEA BOBS	-	-	84	14	-	-
TOTAL, 1960	2,329,714	1,107,265	2,102,661	1,083,877	1,505,923	827,510
TOTAL, 1959	1,957,357	1,057,267	1,982,013	957,133	1,689,843	865,943

SEE NOTE ON PAGE 310.

(CONTINUED ON NEXT PAGE)

FLORIDA ,WEST COAST SHRIMP LANDINGS, BY MONTHS, 1960 - Continued

SPECIES AND SIZE	JULY		AUGUST		SEPTEMBER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
15 - 20	1,557	$1,171	-	-	1,955	$1,231
21 - 25	10,768	6,003	3,246	$1,758	25,533	13,570
26 - 30	5,795	3,063	4,203	2,105	2,924	1,551
31 - 40	35,108	16,068	26,026	10,767	4,170	2,013
41 - 50	62,477	22,085	1,855	827	-	-
51 - 67	98,674	33,325	18,671	6,516	7,433	2,616
68 AND OVER	8,576	2,468	484	143	558	167
TOTAL	222,955	84,183	54,485	22,116	42,573	21,148
PINK:						
15 - 20	31,456	22,493	22,290	14,504	4,072	2,725
21 - 25	139,875	89,380	119,366	72,355	135,723	82,998
26 - 30	293,745	175,491	172,721	96,409	283,683	156,111
31 - 40	350,358	188,678	219,919	109,452	243,767	117,978
41 - 50	121,771	48,881	92,702	36,392	140,659	52,206
51 - 67	75,810	23,293	57,631	16,665	168,658	48,892
68 AND OVER	36,678	5,878	94,600	14,967	93,181	15,843
TOTAL	1,049,693	554,094	779,229	360,744	1,069,743	476,753
WHITE:						
15 - 20	1,055	705	599	401	-	-
21 - 25	1,955	1,276	6,581	3,540	-	-
26 - 30	-	-	43,165	21,819	10,525	5,134
31 - 40	-	-	5,123	2,281	28,165	12,347
41 - 50	-	-	2,425	1,052	9,709	3,161
51 - 67	-	-	-	-	46,306	13,187
68 AND OVER	-	-	1,346	353	114,970	24,989
TOTAL	3,010	1,981	59,239	29,446	209,675	58,818
TOTAL, 1960	1,275,658	640,258	892,953	412,306	1,321,991	556,719
TOTAL, 1959	865,820	408,226	581,014	281,097	650,165	297,688

SPECIES AND SIZE	OCTOBER		NOVEMBER		DECEMBER		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:								
UNDER 15	-	-	252	$164	-	-	252	$164
15 - 20	4,588	$2,964	626	396	-	-	120,307	84,848
21 - 25	30,205	16,820	605	363	1,300	$738	108,209	62,905
26 - 30	8,777	4,292	1,387	731	-	-	34,813	19,031
31 - 40	9,486	3,992	4,031	1,691	10	4	129,003	63,134
41 - 50	600	228	-	-	-	-	78,881	29,966
51 - 67	4,181	1,463	27	7	-	-	169,705	57,309
68 AND OVER	-	-	-	-	-	-	47,019	12,537
TOTAL	57,837	29,759	6,928	3,352	1,310	742	688,189	329,894
PINK:								
15 - 20	11,740	7,766	69,113	45,274	94,682	59,660	835,393	540,847
21 - 25	518,514	314,002	424,621	254,443	607,700	353,808	3,841,237	2,310,266
26 - 30	709,295	396,254	712,295	393,796	275,948	147,101	4,604,528	2,593,827
31 - 40	803,302	370,714	963,717	470,404	478,653	219,693	6,187,789	3,094,333
41 - 50	1,073,054	375,233	517,949	198,603	221,397	82,330	3,709,421	1,449,859
51 - 67	1,014,533	277,170	219,958	60,085	88,399	25,964	2,863,266	878,068
68 AND OVER	100,652	20,120	125,580	26,397	12,283	2,539	2,263,450	427,695
TOTAL	4,231,090	1,761,259	3,033,233	1,449,002	1,779,062	891,095	24,305,084	11,294,895
WHITE:								
15 - 20	-	-	2,976	1,911	570	365	82,765	53,659
21 - 25	1,518	835	52,335	30,385	20,810	12,272	117,551	69,885
26 - 30	39,673	19,123	41,650	22,238	34,938	20,024	185,556	97,052
31 - 40	66,354	28,602	30,246	14,346	22,057	12,490	158,475	73,259
41 - 50	41,509	14,218	36,569	15,038	17,432	9,344	112,130	44,914
51 - 67	45,167	13,712	29,162	10,202	17,201	6,549	141,130	44,996
68 AND OVER	186,921	42,476	178,467	48,181	41,360	11,628	527,983	129,157
TOTAL	381,142	118,966	371,405	142,301	154,368	72,672	1,325,590	512,922
SEA BOBS	12,802	1,495	24,082	2,813	110,319	12,874	147,837	17,242
TOTAL, 1960	4,682,871	1,911,479	3,435,648	1,597,468	2,045,059	977,383	26,466,700	12,154,953
TOTAL, 1959	1,178,188	518,928	2,160,057	912,405	2,544,173	1,032,169	19,197,996	9,750,986

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ALABAMA SHRIMP LANDINGS, BY MONTHS, 1960

SPECIES AND SIZE	JANUARY		FEBRUARY		MARCH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
UNDER 15	924	$619	594	$398	-	-
15 - 20	11,325	6,922	7,181	4,412	34,131	$22,921
21 - 25	11,594	6,343	9,384	5,519	1,120	690
26 - 30	3,539	1,773	462	243	867	498
31 - 40	1,245	643	685	344	20	10
41 - 50	272	92	125	47	-	-
51 - 67	-	-	45	12	-	-
TOTAL	28,899	16,392	18,476	10,975	36,138	24,119
PINK:						
15 - 20	320	198	120	331	-	-
21 - 25	-	-	260	153	-	-
26 - 30	472	236	437	232	-	-
31 - 40	1,192	497	4,232	1,925	-	-
41 - 50	840	277	538	207	-	-
51 - 67	200	58	511	220	-	-
68 AND OVER	1,388	333	1,461	301	2,140	653
TOTAL	4,412	1,599	7,559	3,369	2,140	653
WHITE:						
UNDER 15	-	-	-	-	55	37
15 - 20	19,543	12,310	3,864	2,118	-	-
21 - 25	17,517	10,049	3,612	2,180	703	430
26 - 30	6,361	3,345	802	499	186	102
31 - 40	3,053	1,429	100	45	180	92
41 - 50	1,653	661	214	112	-	-
51 - 67	450	160	262	104	-	-
68 AND OVER	57	16	-	-	-	-
TOTAL	48,634	27,970	8,854	5,058	1,124	661
TOTAL, 1960	81,945	45,961	34,889	19,402	39,402	25,433
TOTAL, 1959	135,684	93,929	61,679	47,144	70,261	53,837

SPECIES AND SIZE	APRIL		MAY		JUNE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
UNDER 15	6,678	$4,705	1,578	$1,168	-	-
15 - 20	58,466	40,624	25,900	18,276	10,246	$7,451
21 - 25	1,863	1,198	2,421	1,621	10,856	7,267
26 - 30	43	25	619	397	12,704	7,656
31 - 40	-	-	150	88	61,782	30,861
41 - 50	-	-	-	-	111,184	48,512
51 - 67	-	-	-	-	172,715	64,968
68 AND OVER	327	132	-	-	156,115	50,833
TOTAL	67,377	46,684	30,668	21,550	535,602	217,548
PINK:						
21 - 25	-	-	146	93	702	452
26 - 30	-	-	1,300	790	2,811	1,721
31 - 40	925	593	3,591	1,952	950	490
41 - 50	47	30	1,200	557	961	496
51 - 67	-	-	5,975	2,572	1,673	722
68 AND OVER	-	-	17,571	7,156	-	-
TOTAL	972	623	29,783	13,120	7,097	3,881
WHITE:						
15 - 20	364	254	2,097	1,554	23,001	16,945
21 - 25	-	-	-	-	37	24
26 - 30	-	-	33	24	-	-
TOTAL	364	254	2,130	1,578	23,038	16,969
TOTAL, 1960	68,713	47,561	62,581	36,248	565,737	238,398
TOTAL, 1959	76,870	53,412	101,335	51,728	1,009,218	314,353

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ALABAMA SHRIMP LANDINGS, BY MONTHS, 1960 - Continued

SPECIES AND SIZE	JULY		AUGUST		SEPTEMBER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
UNDER 15	-	-	1,000	$700	931	$646
15 - 20	9,692	$6,789	24,913	16,902	62,054	39,798
21 - 25	43,518	25,838	84,239	48,201	179,202	102,314
26 - 30	112,313	60,574	75,121	38,761	46,611	23,982
31 - 40	278,392	132,120	193,813	91,181	33,623	14,947
41 - 50	228,959	98,072	79,207	33,295	16,049	6,411
51 - 67	346,716	133,033	65,257	24,516	11,383	4,105
68 AND OVER	64,743	21,730	915	328	104	35
TOTAL	1,084,333	478,156	524,465	253,884	349,957	192,238
WHITE:						
15 - 20	937	681	183	117	353	229
21 - 25	-	-	2,937	1,707	3,441	2,020
26 - 30	1,031	558	4,274	2,298	9,755	4,986
31 - 40	416	183	9,762	4,397	31,843	14,478
41 - 50	574	227	7,811	2,981	48,100	19,307
51 - 67	-	-	40,481	14,646	45,886	16,482
68 AND OVER	109	28	56,669	18,204	20,561	6,477
TOTAL	3,067	1,677	122,117	44,350	159,939	63,979
SEA BOBS	3,080	179	-	-	-	-
TOTAL, 1960	1,090,480	480,012	646,582	298,234	509,896	256,217
TOTAL, 1959	1,123,330	370,343	828,185	343,796	449,700	204,343

SPECIES AND SIZE	OCTOBER		NOVEMBER		DECEMBER		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:								
UNDER 15	-	-	-	-	6,414	$4,169	18,119	$12,405
15 - 20	62,812	$39,205	27,013	$16,966	32,311	20,086	366,044	240,352
21 - 25	222,461	127,470	44,206	25,623	20,051	11,295	630,915	363,379
26 - 30	93,615	49,036	60,140	31,811	13,277	6,895	419,311	221,651
31 - 40	35,543	16,084	30,714	14,389	3,707	1,680	639,674	302,347
41 - 50	6,921	2,619	11,652	4,506	666	267	455,035	193,821
51 - 67	5,258	1,894	2,020	722	231	91	603,625	229,341
68 AND OVER	71	23	330	85	-	-	222,605	73,166
TOTAL	426,681	236,331	176,075	94,102	76,657	44,483	3,355,328	1,636,462
PINK:								
15 - 20	-	-	-	-	-	-	440	529
21 - 25	-	-	-	-	-	-	1,108	698
26 - 30	-	-	-	-	700	399	5,720	3,378
31 - 40	-	-	-	-	-	-	10,890	5,457
41 - 50	-	-	-	-	-	-	3,586	1,567
51 - 67	-	-	-	-	-	-	8,359	3,572
68 AND OVER	-	-	-	-	-	-	22,560	8,443
TOTAL	-	-	-	-	700	399	52,663	23,644
WHITE:								
UNDER 15	-	-	-	-	2,686	1,826	2,741	1,863
15 - 20	7,087	4,589	95,982	62,610	13,733	8,791	167,144	110,198
21 - 25	53,377	30,141	54,436	32,569	33,909	19,955	169,969	99,075
26 - 30	43,852	22,124	36,039	19,103	18,020	9,678	120,353	62,717
31 - 40	49,111	22,727	17,298	8,174	10,074	4,732	121,837	56,257
41 - 50	19,328	7,997	12,840	5,293	2,484	994	93,004	37,572
51 - 67	2,312	890	5,132	1,980	3,588	1,423	98,111	35,685
68 AND OVER	1,148	387	1,889	662	2,561	939	82,994	26,713
TOTAL	176,215	88,855	223,616	130,391	87,055	48,338	856,153	430,080
SEA BOBS	-	-	-	-	-	-	3,080	179
TOTAL, 1960	602,896	325,186	399,691	224,493	164,412	93,220	4,267,224	2,090,365
TOTAL, 1959	327,773	161,107	369,666	189,134	218,625	107,560	4,772,326	1,990,686

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MISSISSIPPI SHRIMP LANDINGS, BY MONTHS, 1960

SPECIES AND SIZE	JANUARY		FEBRUARY		MARCH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
15 - 20	5,937	$3,462	12,970	$7,793	24,525	$14,740
21 - 25	3,800	1,940	1,525	840	1,200	660
26 - 30	4,418	2,302	-	-	-	-
31 - 40	3,795	1,575	205	103	788	448
41 - 50	500	185	-	-	-	-
TOTAL	18,450	9,464	14,700	8,736	26,513	15,848
WHITE:						
15 - 20	1,300	742	-	-	-	-
21 - 25	3,225	1,704	-	-	-	-
26 - 30	1,028	544	1,210	630	-	-
31 - 40	1,650	758	400	200	350	172
41 - 50	200	82	-	-	-	-
TOTAL	7,403	3,830	1,610	830	350	172
TOTAL, 1960	25,853	13,294	16,310	9,566	26,863	16,020
TOTAL, 1959	142,654	86,273	32,415	21,460	15,954	11,391

SPECIES AND SIZE	APRIL		MAY		JUNE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
UNDER 15	15,120	$10,156	-	-	493	$345
15 - 20	13,860	9,017	15,595	$10,735	7,880	5,264
21 - 25	-	-	3,628	2,320	1,000	600
31 - 40	-	-	-	-	8,021	3,708
41 - 50	-	-	-	-	167,932	69,379
51 - 67	-	-	-	-	760,717	281,794
68 AND OVER	-	-	375	120	413,652	134,303
TOTAL	28,980	19,173	19,598	13,175	1,359,695	495,393
PINK:						
15 - 20	-	-	400	278	2,770	1,775
21 - 25	-	-	-	-	1,623	965
26 - 30	-	-	2,400	1,052	1,618	719
31 - 40	6,250	2,500	5,200	1,950	4,895	2,290
41 - 50	-	-	-	-	15,963	6,905
51 - 67	-	-	-	-	1,365	575
TOTAL	6,250	2,500	8,000	3,280	28,234	13,229
WHITE:						
UNDER 15	-	-	-	-	276	190
15 - 20	-	-	427	286	5,820	3,665
TOTAL	-	-	427	286	6,096	3,855
TOTAL, 1960	35,230	21,673	28,025	16,741	1,394,025	512,477
TOTAL, 1959	19,250	12,103	45,286	25,236	2,538,553	701,935

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MISSISSIPPI SHRIMP LANDINGS, BY MONTHS, 1960 - Continued

SPECIES AND SIZE	JULY		AUGUST		SEPTEMBER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
15 - 20	250	$175	1,405	$812	4,895	$2,989
21 - 25	2,536	1,420	35,787	19,759	108,419	59,845
26 - 30	57,051	29,534	194,500	98,185	142,373	69,330
31 - 40	275,775	132,516	351,001	158,928	43,575	19,154
41 - 50	731,425	319,905	180,670	77,537	16,119	6,472
51 - 67	667,065	263,075	27,678	10,706	6,063	2,183
68 AND OVER	91,629	32,150	2,448	820	1,188	380
TOTAL	1,825,731	778,775	793,489	366,747	322,632	160,353
PINK:						
15 - 20	75	50	125	70	-	-
21 - 25	-	-	-	-	300	171
26 - 30	200	124	-	-	500	240
31 - 40	1,875	921	-	-	-	-
41 - 50	125	55	-	-	-	-
TOTAL	2,275	1,150	125	70	800	411
WHITE:						
15 - 20	102	73	-	-	-	-
21 - 25	-	-	-	-	17,980	9,427
26 - 30	-	-	1,500	720	121,861	58,525
31 - 40	-	-	42,940	19,446	128,069	56,283
41 - 50	-	-	70,100	28,595	50,485	22,316
51 - 67	-	-	89,057	32,358	39,486	14,292
68 AND OVER	600	213	51,526	16,393	10,861	3,329
TOTAL	702	286	255,123	97,512	368,742	164,172
TOTAL, 1960	1,828,708	780,211	1,048,737	464,329	692,174	324,936
TOTAL, 1959	1,867,637	573,021	1,051,807	394,295	678,220	283,725

SPECIES AND SIZE	OCTOBER		NOVEMBER		DECEMBER		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:								
UNDER 15	-	-	260	$172	-	-	15,873	$10,673
15 - 20	3,863	$2,406	18,899	11,484	27,305	$16,582	137,384	85,459
21 - 25	117,541	64,034	34,855	19,396	10,978	5,990	321,269	176,804
26 - 30	162,636	79,424	45,734	23,008	18,191	9,282	624,903	311,065
31 - 40	41,597	18,343	23,716	10,925	1,852	830	750,325	346,530
41 - 50	20,509	8,205	17,439	6,885	4,207	1,668	1,138,801	490,236
51 - 67	17,943	6,525	14,635	5,267	3,603	1,216	1,497,704	570,766
68 AND OVER	1,141	385	712	227	-	-	511,145	168,385
TOTAL	365,230	179,322	156,250	77,364	66,136	35,568	4,997,404	2,159,918
PINK:								
15 - 20	225	128	-	-	-	-	3,595	2,301
21 - 25	3,300	1,949	-	-	-	-	5,223	3,085
26 - 30	-	-	-	-	-	-	4,718	2,135
31 - 40	-	-	-	-	-	-	18,220	7,661
41 - 50	-	-	-	-	-	-	16,088	6,960
51 - 67	-	-	-	-	-	-	1,365	575
TOTAL	3,525	2,077	-	-	-	-	49,209	22,717
WHITE:								
UNDER 15	-	-	-	-	-	-	276	190
15 - 20	24,225	13,517	57,162	33,565	18,175	10,514	107,211	62,362
21 - 25	195,537	102,421	136,740	73,836	28,292	16,246	381,774	203,634
26 - 30	180,093	86,618	87,074	42,188	22,884	11,666	415,650	200,891
31 - 40	72,234	31,687	24,615	10,867	5,225	2,477	275,483	121,890
41 - 50	8,913	3,567	5,736	2,296	250	100	135,684	56,956
51 - 67	2,375	855	5,932	2,101	970	318	137,820	49,924
68 AND OVER	1,000	320	1,648	461	-	-	65,635	20,716
TOTAL	484,377	238,985	318,907	165,314	75,796	41,321	1,519,533	716,563
TOTAL, 1960	853,132	420,384	475,157	242,678	141,932	76,889	6,566,146	2,899,198
TOTAL, 1959	613,646	273,233	377,001	162,687	138,823	61,288	7,521,246	2,606,647

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LOUISIANA SHRIMP LANDINGS, BY MONTHS, 1960

SPECIES AND SIZE	JANUARY		FEBRUARY		MARCH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
UNDER 15	30,735	$21,781	37,358	$26,555	120,523	$88,190
15 - 20	93,938	60,924	101,459	66,346	324,650	226,006
21 - 25	131,487	74,462	155,466	90,557	104,341	62,211
26 - 30	93,523	47,828	61,955	31,805	44,454	24,336
31 - 40	34,939	15,581	18,893	8,513	5,688	2,964
41 - 50	8,703	3,291	1,414	553	39	21
51 - 67	938	330	79	22	-	-
68 AND OVER	24	8	-	-	-	-
TOTAL	394,287	224,205	376,624	224,351	599,695	403,728
PINK:						
15 - 20	-	-	2,285	1,600	-	-
21 - 25	-	-	6,225	3,735	-	-
26 - 30	-	-	605	333	-	-
31 - 40	-	-	190	95	-	-
41 - 50	-	-	45	20	-	-
TOTAL	-	-	9,350	5,783	-	-
WHITE:						
UNDER 15	20,240	15,715	4,334	3,539	2,182	1,635
15 - 20	155,028	105,890	41,885	31,304	35,209	25,014
21 - 25	109,406	65,048	32,764	21,007	16,540	10,148
26 - 30	59,983	32,431	11,769	6,926	8,668	5,181
31 - 40	41,890	20,076	6,451	3,006	2,302	1,160
41 - 50	7,208	2,790	3,906	1,569	3,462	1,531
51 - 67	81,916	29,518	44,858	15,446	603	239
68 AND OVER	17,587	5,725	3,685	1,155	1,615	565
TOTAL	493,258	277,193	149,652	83,952	70,581	45,473
SEA BOBS	40,218	7,069	12,288	2,599	29,771	5,488
TOTAL, 1960	927,763	508,467	547,914	316,685	700,047	454,689
TOTAL, 1959	644,725	378,616	225,285	153,102	224,973	169,262

SPECIES AND SIZE	APRIL		MAY		JUNE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
UNDER 15	132,750	$95,763	22,774	$17,272	25,815	$19,575
15 - 20	499,127	354,598	194,490	138,769	182,310	132,122
21 - 25	76,081	49,424	24,563	16,251	37,386	25,128
26 - 30	14,997	8,883	10,697	6,752	15,579	9,486
31 - 40	1,720	752	293	150	94,220	46,606
41 - 50	250	113	-	-	307,544	135,092
51 - 67	65	26	1,542	591	665,582	272,586
68 AND OVER	133	20	1,891,146	450,662	5,105,344	1,412,589
TOTAL	725,123	509,579	2,145,505	630,447	6,433,780	2,053,184
PINK:						
26 - 30	-	-	21	11	-	-
31 - 40	-	-	15	8	-	-
68 AND OVER	-	-	-	-	365	274
TOTAL	-	-	36	19	365	274
WHITE:						
UNDER 15	1,444	1,085	10,482	8,370	29,737	23,339
15 - 20	9,091	6,498	219,577	163,687	407,960	304,799
21 - 25	13,036	8,337	21,222	14,069	43,262	29,600
26 - 30	18,594	11,152	37,248	21,587	2,286	1,491
31 - 40	51,510	26,364	33,973	17,561	1,084	580
41 - 50	7,996	3,555	2,152	1,007	961	472
51 - 67	1,976	846	-	-	738	308
68 AND OVER	1,310	456	137	21	1,440	313
TOTAL	104,957	58,293	324,791	226,302	487,468	360,902
SEA BOBS	41,107	7,890	-	-	-	-
TOTAL, 1960	871,187	575,762	2,470,332	856,768	6,921,613	2,414,360
TOTAL, 1959	605,897	406,777	3,458,975	1,179,000	6,325,887	1,757,921

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(CONTINUED ON NEXT PAGE)

LOUISIANA SHRIMP LANDINGS, BY MONTHS, 1960 - Continued

SPECIES AND SIZE	JULY		AUGUST		SEPTEMBER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
UNDER 15	69,270	$51,251	18,932	$12,966	12,031	$8,088
15 - 20	85,259	61,155	144,824	97,759	110,982	73,247
21 - 25	75,289	48,078	245,950	142,122	227,396	130,687
26 - 30	191,424	104,717	311,468	161,043	246,941	130,405
31 - 40	1,268,150	594,115	980,120	433,960	129,049	59,150
41 - 50	678,276	272,763	343,143	129,406	5,927	2,249
51 - 67	1,022,510	361,559	135,153	45,407	1,689	569
68 AND OVER	1,194,514	355,549	24,278	6,723	328	56
TOTAL	4,584,692	1,849,187	2,203,868	1,029,386	734,343	404,451
WHITE:						
UNDER 15	21,550	16,409	7,690	5,539	1,778	1,245
15 - 20	92,410	68,120	13,683	2,648	11,644	7,840
21 - 25	1,072	774	4,448	2,518	221,679	125,404
26 - 30	5	3	25,799	13,501	762,636	401,946
31 - 40	8	4	370,171	158,203	1,510,600	680,902
41 - 50	-	-	609,400	219,210	780,204	291,768
51 - 67	-	-	1,291,723	366,654	523,461	173,562
68 AND OVER	-	-	662,417	165,465	156,005	48,220
TOTAL	115,045	85,310	2,985,331	933,738	3,968,007	1,730,887
SEA BOBS	125	15	-	-	88,699	9,423
TOTAL, 1960	4,699,862	1,934,512	5,189,199	1,963,124	4,791,049	2,144,761
TOTAL, 1959	3,088,457	1,194,357	3,519,232	1,352,539	3,951,656	1,724,998

SPECIES AND SIZE	OCTOBER		NOVEMBER		DECEMBER		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:								
UNDER 15	28,263	$20,401	4,100	$2,874	140	$98	502,691	$364,814
15 - 20	38,257	25,165	5,995	3,918	6,724	4,244	1,788,015	1,244,253
21 - 25	219,517	129,670	45,152	26,984	29,492	17,310	1,372,120	812,884
26 - 30	98,362	52,693	40,230	21,360	54,888	29,740	1,184,518	629,048
31 - 40	75,645	35,028	44,479	20,495	20,439	9,480	2,673,635	1,226,794
41 - 50	5,433	2,074	10,672	4,250	2,950	1,126	1,364,351	550,938
51 - 67	291	118	2,055	761	479	174	1,830,383	682,143
68 AND OVER	428	79	347	110	1,044	337	8,217,586	2,226,133
TOTAL	466,196	265,228	153,030	80,752	116,156	62,509	18,933,299	7,737,007
PINK:								
15 - 20	-	-	-	-	-	-	2,285	1,600
21 - 25	-	-	-	-	-	-	6,225	3,735
26 - 30	-	-	-	-	-	-	626	344
31 - 40	-	-	-	-	-	-	205	103
41 - 50	-	-	-	-	-	-	45	20
68 AND OVER	-	-	-	-	-	-	365	274
TOTAL	-	-	-	-	-	-	9,751	6,076
WHITE:								
UNDER 15	20,220	12,085	12,217	8,809	5,494	3,954	137,368	101,724
15 - 20	480,435	326,731	672,512	450,163	207,807	136,845	2,347,241	1,629,539
21 - 25	1,435,944	865,275	728,026	435,140	228,812	138,119	2,856,211	1,715,439
26 - 30	802,949	432,116	201,923	110,781	125,885	69,146	2,057,745	1,106,261
31 - 40	1,084,550	506,039	225,978	104,109	104,371	49,574	3,432,888	1,567,578
41 - 50	275,427	116,504	174,867	68,509	25,660	10,516	1,891,243	717,431
51 - 67	142,667	50,244	260,697	85,537	37,499	10,936	2,386,138	733,290
68 AND OVER	174,482	51,304	178,902	46,334	58,926	14,047	1,256,506	333,605
TOTAL	4,416,674	2,360,298	2,455,122	1,309,382	794,454	433,137	16,365,340	7,904,867
SEA BOBS	461,732	78,951	657,839	101,924	119,399	19,258	1,451,178	232,617
TOTAL, 1960	5,344,602	2,704,477	3,265,991	1,492,058	1,030,009	514,904	36,759,568	15,880,567
TOTAL, 1959	5,486,180	2,289,167	3,826,523	1,380,199	1,997,200	817,234	33,354,990	12,803,172

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TEXAS SHRIMP LANDINGS, BY MONTHS, 1960

SPECIES AND SIZE	JANUARY		FEBRUARY		MARCH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
UNDER 15	120,535	$83,138	82,770	$59,496	98,356	$70,823
15 - 20	238,021	149,085	139,420	90,018	270,798	176,456
21 - 25	261,252	144,674	146,005	81,341	178,716	102,097
26 - 30	189,824	95,878	64,476	32,987	66,745	35,199
31 - 40	190,485	83,418	63,458	28,893	45,793	21,649
41 - 50	11,557	4,102	5,569	2,302	5,617	2,580
51 - 67	537	191	145	52	245	89
68 AND OVER	12,711	3,229	6,773	1,718	10,058	2,549
TOTAL	1,024,922	563,715	508,616	296,807	676,328	411,442
PINK:						
UNDER 15	8,392	5,815	21,835	15,766	7,575	5,511
15 - 20	36,610	23,825	75,962	50,354	31,765	21,515
21 - 25	48,710	26,750	122,212	67,348	55,362	31,570
26 - 30	11,489	5,817	50,299	25,594	25,194	13,445
31 - 40	15,531	6,624	69,187	31,274	67,846	32,199
41 - 50	3,937	1,428	13,203	5,606	36,938	17,574
51 - 67	410	145	3,384	1,199	4,920	1,844
68 AND OVER	3,761	947	8,958	2,262	5,834	1,617
TOTAL	128,840	71,351	365,040	199,403	235,434	125,275
WHITE:						
UNDER 15	3,590	2,486	15,130	10,901	4,405	3,271
15 - 20	9,002	5,674	30,720	20,503	18,620	12,792
21 - 25	5,823	3,278	3,041	1,667	3,362	1,970
26 - 30	2,705	1,362	238	120	2,996	1,588
31 - 40	2,046	958	175	83	14,444	7,214
41 - 50	780	287	65	24	11,855	5,353
51 - 67	1,270	405	1,921	640	10,233	4,397
68 AND OVER	1,338	300	2,870	652	3,644	1,241
TOTAL	26,554	14,750	54,160	34,590	69,559	37,826
TOTAL, 1960	1,180,316	649,816	927,816	530,800	981,321	574,543
TOTAL, 1959	1,009,799	743,778	1,021,971	726,488	1,017,703	725,023

SPECIES AND SIZE	APRIL		MAY		JUNE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
UNDER 15	136,272	$102,654	104,982	$80,436	185,173	$143,015
15 - 20	228,291	155,879	441,775	317,391	459,991	336,523
21 - 25	151,778	95,659	327,651	216,156	237,419	158,929
26 - 30	163,392	93,057	147,412	90,471	77,675	47,989
31 - 40	47,887	25,321	74,342	40,654	65,857	35,819
41 - 50	6,805	3,404	17,524	9,288	34,556	16,382
51 - 67	560	266	15,103	8,008	16,737	7,218
68 AND OVER	9,825	2,488	14,030	3,563	15,964	4,112
TOTAL	744,810	478,728	1,142,819	765,967	1,093,372	749,987
PINK:						
UNDER 15	4,356	3,296	2,944	2,274	285	222
15 - 20	19,750	13,889	19,804	13,797	7,300	5,273
21 - 25	74,658	47,159	36,794	24,187	8,936	5,951
26 - 30	72,671	42,695	25,024	15,219	6,932	4,297
31 - 40	89,678	47,019	45,409	24,841	8,966	4,935
41 - 50	47,646	25,032	34,028	18,004	3,683	1,935
51 - 67	16,999	8,185	16,812	8,923	2,278	1,105
68 AND OVER	7,071	1,779	6,336	1,602	634	158
TOTAL	332,829	189,054	187,151	108,847	39,014	23,876
WHITE:						
UNDER 15	545	419	4,290	3,267	4,525	3,395
15 - 20	32,165	22,132	48,880	35,543	67,953	49,417
21 - 25	50,716	30,407	31,015	21,044	8,724	6,037
26 - 30	41,710	22,831	7,051	4,475	40	25
31 - 40	89,359	44,723	4,734	2,588	291	155
41 - 50	33,691	13,734	61	31	111	53
51 - 67	4,616	1,847	206	86	3,101	906
68 AND OVER	3,972	1,028	929	237	3,921	1,087
TOTAL	256,774	137,121	97,166	67,271	88,666	61,075
TOTAL, 1960	1,334,413	804,903	1,427,136	942,085	1,221,052	834,938
TOTAL, 1959	895,525	597,227	1,008,463	644,183	1,636,552	897,101

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(CONTINUED ON NEXT PAGE)

TEXAS SHRIMP LANDINGS, BY MONTHS, 1960 - Continued

SPECIES AND SIZE	JULY		AUGUST		SEPTEMBER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
UNDER 15	112,989	$87,509	57,593	$43,892	107,078	$72,193
15 - 20.	249,959	183,244	223,182	155,829	797,307	499,794
21 - 25.	253,727	158,311	639,571	380,966	1,919,896	1,093,624
26 - 30.	399,114	218,830	1,451,473	764,111	1,617,754	846,690
31 - 40.	5,233,948	2,302,044	5,163,398	2,337,623	1,490,873	677,191
41 - 50.	2,550,782	1,034,391	1,271,652	492,069	424,558	163,732
51 - 67.	583,679	211,571	291,969	104,714	54,077	19,586
68 AND OVER.	44,224	11,140	56,588	14,250	918	232
TOTAL	9,428,422	4,207,040	9,155,426	4,293,454	6,412,461	3,373,042
PINK:						
UNDER 15	640	500	-	-	-	-
15 - 20.	6,075	4,454	-	-	-	-
21 - 25.	10,981	7,114	-	-	-	-
26 - 30.	7,976	4,668	862	448	-	-
31 - 40.	7,454	3,947	-	-	-	-
41 - 50.	1,838	848	3,697	1,368	-	-
51 - 67.	25	11	35,275	11,288	-	-
68 AND OVER.	1,015	274	-	-	-	-
TOTAL	36,004	21,816	39,834	13,104	-	-
WHITE:						
UNDER 15	28,630	21,615	14,271	10,445	4,597	3,039
15 - 20.	151,255	106,718	63,324	43,723	10,873	7,001
21 - 25.	5,288	3,517	1,900	1,224	83,918	49,097
26 - 30.	335	174	77,921	27,193	176,287	93,153
31 - 40.	1,259	567	212,390	91,256	1,092,817	493,527
41 - 50.	4,265	1,519	222,352	80,158	539,339	201,169
51 - 67.	15,083	4,481	312,851	98,388	329,102	101,234
68 AND OVER.	6,581	1,457	5,449	1,136	30,876	6,885
TOTAL	212,696	140,048	910,458	353,523	2,267,809	955,105
TOTAL, 1960	9,677,122	4,368,904	10,105,718	4,660,081	8,680,270	4,328,147
TOTAL, 1959	7,650,480	2,797,562	10,111,416	4,189,919	10,604,560	4,659,390

SPECIES AND SIZE	OCTOBER		NOVEMBER		DECEMBER		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:								
UNDER 15	155,490	$109,433	200,656	$139,009	131,093	$89,012	1,492,987	$1,080,610
15 - 20.	1,219,200	791,052	682,410	438,677	316,744	200,488	5,267,098	3,494,436
21 - 25.	1,791,446	1,073,074	756,439	457,011	367,129	215,461	7,031,029	4,177,303
26 - 30.	288,362	159,819	209,813	115,679	181,228	97,741	4,857,268	2,598,451
31 - 40.	627,088	309,235	396,333	190,338	211,003	97,936	13,610,465	6,150,121
41 - 50.	111,574	51,816	47,623	19,608	25,744	10,068	4,513,561	1,809,742
51 - 67.	6,850	3,097	4,828	1,766	3,773	1,303	978,503	357,861
68 AND OVER.	297	77	-	-	-	-	171,388	43,358
TOTAL	4,200,307	2,497,603	2,298,102	1,362,088	1,236,714	712,009	37,922,299	19,711,882
PINK:								
UNDER 15	7,940	5,750	6,335	4,527	2,840	1,956	63,142	45,617
15 - 20.	24,518	16,681	47,921	31,091	37,440	23,750	307,145	204,629
21 - 25.	74,076	45,365	149,164	88,633	69,993	40,653	650,886	384,730
26 - 30.	37,375	21,419	101,314	55,650	29,655	16,027	368,791	205,279
31 - 40.	30,104	15,029	66,833	31,548	26,409	12,419	427,417	209,835
41 - 50.	2,360	1,116	8,354	3,433	2,682	1,050	158,366	77,394
51 - 67.	435	208	1,388	515	3,260	1,091	85,186	34,514
68 AND OVER.	35	9	-	-	-	-	33,644	8,648
TOTAL	176,843	105,577	381,309	215,397	172,279	96,946	2,094,577	1,170,646
WHITE:								
UNDER 15	2,555	1,823	3,516	2,461	2,430	1,659	88,484	64,781
15 - 20.	57,596	37,982	81,139	53,157	31,328	20,337	602,855	414,979
21 - 25.	241,248	147,186	177,974	108,034	59,637	35,281	672,646	408,742
26 - 30.	397,514	220,133	245,752	137,814	45,122	24,628	997,671	533,496
31 - 40.	733,350	351,372	360,066	176,188	63,774	30,308	2,574,705	1,198,939
41 - 50.	459,747	180,107	135,410	54,426	25,848	10,110	1,433,524	546,971
51 - 67.	320,657	99,879	585,187	160,354	65,069	16,790	1,649,296	489,407
68 AND OVER.	142,305	26,044	72,952	14,834	20,905	4,553	295,742	59,454
TOTAL	2,354,972	1,064,526	1,661,996	707,268	314,113	143,666	8,314,923	3,716,769
SEA BOBS	33,705	3,518	29,298	3,429	-	-	63,003	6,947
TOTAL, 1960	6,765,827	3,671,224	4,370,705	2,288,182	1,723,106	952,621	48,394,802	24,606,244
TOTAL, 1959	9,123,953	4,193,707	3,742,727	1,693,059	2,510,921	1,325,204	50,334,070	23,192,641

NOTE:--ALL WEIGHTS ARE ON HEADS-OFF BASIS. THE SIZE INDICATES THE NUMBER OF HEADS-OFF SHRIMP TO THE POUND. TO CONVERT TO HEADS-ON MULTIPLY BY 1.68 FOR BROWN, PINK, WHITE, AND SEA BOBS; FOR ROYAL RED, MULTIPLY BY 1.80. THE AREAS LISTED REPRESENT THE STATES WHERE THE SHRIMP WERE LANDED REGARDLESS OF WHERE CAUGHT. THE NAMES OF THE SPECIES USED IN THESE TABLES ARE AS FOLLOWS: WHITE SHRIMP (MOSTLY *PENAEUS SETIFERUS*), BROWN SHRIMP (*PENAEUS AZTECUS*, AND IN SOME CASES *PENAEUS BRASILIENSIS*), PINK SHRIMP (*PENAEUS DUORARUM*), SEA BOBS (MOSTLY *XIPHOPENAEUS KROYERI*), AND ROYAL RED SHRIMP (*HYMENOPENAEUS ROBUSTUS*), WHICH IS A DEEP-WATER SPECIES. THE VALUE REPORTED IS THE AMOUNT RECEIVED BY THE OWNERS OR OPERATORS OF THE VESSEL FOR THE FIRST SALE AT THE DOCK. ANY EXPENSES INVOLVED IN HANDLING OR PROCESSING ASHORE ARE NOT INCLUDED, EVEN THOUGH CHARGEABLE TO THE VESSEL. THE SIZE REPORTED GENERALLY IS THAT USED AS OF THE FIRST SALE. SIZE GRADING IN VARYING DEGREES OF UNIFORMITY MAY OR MAY NOT OCCUR AT, OR PRIOR TO, THE TIME FIRST SALES ARE MADE. IF GRADING IS NOT DONE AT THIS TIME, THE SIZE REPORTED IS AN AVERAGE SIZE AND MAY INCLUDE SEVERAL SIZE CLASSIFICATIONS.

GULF COAST SHRIMP CATCH, BY AREA OF CAPTURE, 1960

MAJOR WATER AREAS, DEPTH, AND SPECIES	TRIPS	DAYS FISHED	SIZE (NUMBER OF HEADS-OFF SHRIMP TO THE POUND)							
			UNDER 15	15 - 20	21 - 25	26 - 30	31 - 40	41 - 50	51 - 67	68 & OVER	TOTAL
	NUMBER	NUMBER	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
SANIBEL-TORTUGAS AREA:											
0 - 5 FATHOMS:											
PINK, TOTAL	66.9	79.8	-	310	164	259	14,945	14,656	6,483	932	37,749
6 - 20 FATHOMS:											
PINK, TOTAL	8,647.9	16,563.6	-	178,106	719,898	1,166,908	3,427,433	3,359,984	2,659,327	2,206,597	13,718,253
21 - 40 FATHOMS:											
PINK, TOTAL	696.2	2,068.6	-	145,350	353,147	158,090	190,005	63,966	27,460	7,938	945,956
TOTAL, SANIBEL-TORTUGAS AREA.	9,411.0	18,712.0	-	323,766	1,073,209	1,325,257	3,632,383	3,438,606	2,693,270	2,215,467	14,701,958
APALACHICOLA AREA:											
0 - 5 FATHOMS:											
BROWN			-	-	1,511	2,674	45,287	32,219	153,123	47,300	282,114
PINK.			-	779	628	2,481	26,841	63,939	118,688	56,725	270,081
WHITE			-	2,551	19,888	74,967	105,976	104,790	139,280	527,983	975,435
SEA BOBS.			-	-	-	-	-	-	-	147,837	147,837
TOTAL	6,274.7	3,230.5	-	3,330	22,027	80,122	178,104	200,948	411,091	779,845	1,675,467
6 - 20 FATHOMS:											
BROWN			-	-	9,706	2,917	25,808	36,567	16,555	-	91,553
PINK.			-	6,393	49,452	13,941	17,048	49,573	55,738	10,343	202,488
WHITE			-	4,980	27,290	39,217	15,816	5,592	1,398	-	94,293
TOTAL	622.1	720.4	-	11,373	86,448	56,075	58,672	91,732	73,691	10,343	388,334
TOTAL, APALACHICOLA AREA.	6,896.8	3,950.9	-	14,703	108,475	136,197	236,776	292,680	484,782	790,188	2,063,801
PENSACOLA TO MISSISSIPPI RIVER:											
0 - 5 FATHOMS:											
BROWN			-	1,807	24,783	166,284	635,501	954,055	1,565,040	1,082,318	4,429,788
PINK.			-	700	238	2,503	14,401	7,468	1,115	24	26,449
WHITE			16,341	98,401	428,884	566,054	715,608	368,081	351,307	316,265	2,860,941
TOTAL	25,654.0	15,960.4	16,341	100,908	453,905	734,841	1,365,510	1,329,604	1,917,462	1,398,607	7,317,178
6 - 20 FATHOMS:											
BROWN			4,997	237,164	781,591	901,028	1,330,235	972,528	1,034,582	130,332	5,392,457
PINK.			-	870	5,747	6,141	8,517	10,527	2,988	1,092	35,882
WHITE			3,244	184,893	148,208	60,865	46,097	8,821	1,456	446	454,030
SEA BOBS.			-	-	-	-	-	-	-	4,284	4,284
TOTAL	3,080.1	6,764.6	8,241	422,927	935,546	968,034	1,384,849	991,876	1,039,026	136,154	5,886,653
21 - 40 FATHOMS:											
BROWN			11,641	171,874	182,092	112,304	47,838	8,249	2,209	382	536,589
PINK.			-	2,025	2,500	185	442	-	120	94	5,366
WHITE			680	20,211	21,003	6,945	6,509	1,181	-	-	56,529
TOTAL	393.0	918.5	12,321	194,110	205,595	119,434	54,789	9,430	2,329	476	598,484
TOTAL, PENSACOLA TO MISSISSIPPI RIVER	29,127.1	23,643.5	36,903	717,945	1,595,046	1,822,309	2,805,148	2,330,910	2,958,817	1,535,237	13,802,315

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GULF COAST SHRIMP CATCH, BY AREA OF CAPTURE, 1960 - Continued

MAJOR WATER AREAS, DEPTH, AND SPECIES	TRIPS	DAYS FISHED	SIZE (NUMBER OF HEADS-OFF SHRIMP TO THE POUND)								
			UNDER 15	15 - 20	21 - 25	26 - 30	31 - 40	41 - 50	51 - 67	68 & OVER	TOTAL
	NUMBER	NUMBER	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
MISSISSIPPI RIVER TO TEXAS:											
0 - 5 FATHOMS:											
BROWN			55	1,874	5,958	9,254	62,077	195,368	629,437	7,557,154	8,461,177
PINK			-	-	-	21	15	-	-	-	36
WHITE			7,860	557,109	1,707,428	1,537,292	2,709,420	1,570,905	2,257,986	1,124,944	11,572,944
SEA BOBS			-	-	-	-	-	-	-	1,364,160	1,364,160
TOTAL	80,228.1	45,987.4	7,915	558,983	1,713,386	1,546,567	2,771,512	1,866,273	2,887,423	10,046,258	21,398,317
6 - 20 FATHOMS:											
BROWN			91,533	623,872	628,220	594,430	2,120,445	988,594	680,724	171,029	5,898,847
WHITE			101,995	1,617,868	1,037,644	493,858	572,564	123,386	54,006	18,357	4,019,678
SEA BOBS			-	-	-	-	-	-	-	80,400	80,400
TOTAL	7,564.5	13,248.5	193,528	2,241,740	1,665,864	1,088,288	2,693,009	1,111,980	734,730	269,786	9,998,925
21 - 55 FATHOMS:											
BROWN			391,392	1,330,569	835,646	408,721	187,987	33,245	99,278	3,177	3,290,015
WHITE			10,661	214,554	149,420	62,387	48,207	11,017	7,384	1,228	504,858
SEA BOBS			-	-	-	-	-	-	-	68,417	58,417
TOTAL	3,070.0	5,851.6	402,053	1,545,123	985,066	471,108	236,194	44,262	106,662	72,822	3,863,290
TOTAL, MISSISSIPPI RIVER TO TEXAS	90,862.6	65,087.5	603,496	4,345,846	4,364,316	3,105,963	5,700,715	3,022,515	3,728,815	10,388,866	35,260,532
TEXAS COAST:											
0 - 5 FATHOMS:											
BROWN			-	1,439	2,047	5,160	42,347	22,934	5,132	2,534	81,593
PINK			-	-	215	10	-	3,697	35,275	-	39,197
WHITE			7,337	89,773	190,297	303,087	1,167,262	1,124,696	1,511,593	230,825	4,624,870
TOTAL	18,672.9	7,695.1	7,337	91,212	192,559	308,257	1,209,609	1,151,327	1,552,000	233,359	4,745,660
6 - 20 FATHOMS:											
BROWN			558,387	2,885,077	4,980,269	3,537,944	11,934,129	4,032,318	886,339	104,360	28,918,823
PINK			640	7,640	5,579	6,873	1,170	-	93	2,775	24,770
WHITE			51,874	352,778	381,164	550,910	1,130,359	242,938	85,192	833	2,796,048
TOTAL	19,342.3	34,690.0	610,901	3,245,495	5,367,012	4,095,727	13,065,658	4,275,256	971,624	107,968	31,739,641
21 - 45 FATHOMS:											
BROWN			181,523	1,368,143	1,020,201	721,720	550,613	95,974	23,319	4,362	3,965,855
PINK			1,145	-	-	-	-	-	-	-	1,145
WHITE			72	915	2,049	8,107	5,160	622	1,437	-	18,362
TOTAL	2,633.8	5,652.1	182,740	1,369,058	1,022,250	729,827	555,773	96,596	24,756	4,362	3,985,362
TOTAL, TEXAS COAST	40,649.0	48,037.2	800,978	4,705,765	6,581,821	5,133,811	14,831,040	5,523,179	2,548,380	345,689	40,470,663
HIGH SEAS OFF MEXICAN COAST - 94^{0} LONGITUDE WEST:											
6 - 20 FATHOMS:											
BROWN			100,680	179,163	165,814	81,243	166,526	47,761	33,244	5,098	779,529
PINK			115	15	795	400	473	205	28	-	2,031
WHITE			4,775	11,147	5,834	1,875	3,370	2,263	795	719	30,778
TOTAL	842.7	1,515.0	105,570	190,325	172,443	83,518	170,369	50,229	34,067	5,817	812,338

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GULF COAST SHRIMP CATCH, BY AREA OF CAPTURE, 1960 - Continued

MAJOR WATER AREAS, DEPTH, AND SPECIES	TRIPS	DAYS FISHED	SIZE (NUMBER OF HEADS-OFF SHRIMP TO THE POUND)								
			UNDER 15	15 - 20	21 - 25	26 - 30	31 - 40	41 - 50	51 - 67	68 & OVER	TOTAL
	NUMBER	NUMBER	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
HIGH SEAS OFF MEXICAN COAST - 94° LONGITUDE WEST - CONTINUED:											
21 - 45 FATHOMS:											
BROWN			579,710	638,419	628,208	391,078	463,408	69,244	14,453	43,753	2,828,273
PINK			-	2,160	-	85	55	-	-	6	2,306
WHITE			1,540	1,820	400	15	40	-	-	347	4,162
TOTAL	1,724.1	6,344.0	581,250	642,399	628,608	391,178	463,503	69,244	14,453	44,106	2,834,741
TOTAL HIGH SEAS OFF MEXICAN COAST - 94° LONGITUDE WEST	2,566.8	7,859.0	686,820	832,724	801,051	474,696	633,872	119,473	48,520	49,923	3,647,079
HIGH SEAS OFF OBREGON - CAMPECHE:											
0 - 5 FATHOMS:											
PINK, TOTAL	5.1	80.8	-	2,105	5,401	20,448	19,031	-	-	-	46,985
6 - 20 FATHOMS:											
BROWN			23,250	64,864	73,867	41,587	125,415	45,827	27,460	7,554	409,824
PINK			31,807	566,543	2,507,304	3,062,584	2,687,336	280,240	46,150	22,034	9,203,998
WHITE			6,950	100,671	48,873	11,596	2,232	661	539	5,331	176,853
TOTAL	1,247.1	15,588.6	62,007	732,078	2,630,044	3,115,767	2,814,983	326,728	74,149	34,919	9,790,675
21 - 45 FATHOMS:											
BROWN			87,716	177,038	123,715	46,823	68,862	16,273	5,105	12,848	538,380
PINK			29,173	213,607	702,184	576,733	196,768	33,430	6,222	12,322	1,770,439
WHITE			15,425	50,473	11,278	2,183	310	135	-	1,795	81,599
TOTAL	298.4	3,302.6	132,314	441,118	837,177	625,739	265,940	49,838	11,327	26,965	2,390,418
TOTAL HIGH SEAS OFF OBREGON-CAMPECHE	1,550.6	18,972.0	194,321	1,175,301	3,472,622	3,761,954	3,099,954	376,566	85,476	61,884	12,228,078
CARIBBEAN SEA - SOUTH OF LATITUDE 21° NORTH:											
0 - 5 FATHOMS:											
WHITE, TOTAL	3.5	17.3	-	-	-	10,946	10,020	-	-	-	20,966
6 - 20 FATHOMS:											
PINK			-	-	2,935	48,101	140,771	-	-	-	191,807
WHITE			-	-	6,581	43,891	20,077	-	-	-	70,549
TOTAL	24.8	208.1	-	-	9,516	91,992	160,848	-	-	-	262,356
21 - 30 FATHOMS:											
PINK, TOTAL	1.7	18.7	-	8,000	400	-	5,844	-	-	-	14,244
TOTAL CARIBBEAN SEA - SOUTH OF LATITUDE 21° NORTH	30.0	244.1	-	8,000	9,916	102,938	176,712	-	-	-	297,566
ATLANTIC OCEAN											
6 - 20 FATHOMS:											
PINK			-	-	40	-	-	956	-	-	996
WHITE			-	-	3,975	2,082	4,981	497	122	-	11,657
TOTAL	26.1	19.7	-	-	4,015	2,082	4,981	1,453	122	-	12,653
GRAND TOTAL	181,120.0	186,525.9	2,322,518	12,124,050	18,010,471	15,865,207	31,121,581	15,105,382	12,548,182	15,387,254	122,484,645

NOTE.--THESE DATA REPRESENT THE CATCHES OF VESSELS COMPLETING TRIPS DURING THE YEAR, REGARDLESS OF WHEN LANDINGS OCCURRED. CONSEQUENTLY, THE DATA ARE NOT DIRECTLY COMPARABLE WITH THOSE PRESENTED IN THE TABLE WHICH REPRESENT LANDINGS. A SINGLE TRIP IS SHOWN FOR EACH VOYAGE. ACTUAL FISHING TIME IN HOURS MAY BE DETERMINED BY MULTIPLYING THE NUMBER OF DAYS BY 24. ADDITIONAL TABULATIONS CONCERNING THE GULF OF MEXICO CATCH OF SHRIMP IN MORE DETAIL BY AREA, DEPTH, SIZE, AND FISHING EFFORT MAY BE OBTAINED UPON REQUEST FROM THE BUREAU OF COMMERCIAL FISHERIES, U.S. FISH AND WILDLIFE SERVICE, WASHINGTON 25, D.C.

SEE NOTE ON PAGE 310.

SECTION 7 - PACIFIC COAST FISHERIES

The yield of the commercial fisheries of the Pacific Coast States (Alaska, Washington, Oregon, and California) in 1960 amounted to 1.1 billion pounds valued at $112 million. Landings were 6 million pounds and $8 million larger than in 1959. There were substantial increases in landings of jack mackerel, salmon, tuna, and king crabs; and slight increases in the catches of "sole" (flounders), ocean perch, and sablefish. Landings of cod, sea herring, Pacific sardines, shrimp, and squid were considerably smaller than in 1959. Production of anchovies, halibut, oysters, and whale products was also less than in the previous year.

The Pacific Coast accounted for 21 percent of the volume and 32 percent of the value of the 1960 United States landings. It was second only to the Gulf Coast in quantity and led all other areas in value.

California was first in production on the West Coast with a catch of 541 million pounds (51 percent) worth $50 million (44 percent). Alaska (358 million pounds valued at $41 million) was second with 34 percent of the volume and 37 percent of the value. Washington, with landings of 113 million pounds valued at $15 million, was third. Oregon accounted for the remaining 49 million pounds and $6 million.

There were 31,439 fishermen engaged in Pacific Coast fisheries in 1960. Fishing craft consisted of 4,769 vessels of 5 net tons and over, 8,764 motor boats, and 2,132 other boats and accessory craft. The fishing craft ranged from small one-man boats to large tuna purse seiners.

Fishery products taken on the high seas off coasts of foreign countries by Pacific Coast fishermen amounted to about 288 million pounds or 27 percent of the total catch. Tuna taken off Central and South America accounted for 85 percent of this production. Other important species were bottomfish, halibut, and salmon taken off British Columbia. Pacific Coast fishermen ranged further than those of any other area in their quest for fish in 1960, operating from Bering Sea in the North to the waters off Peru.

Wholesale and manufacturing fishery firms operated in the Pacific Coast States in 1960 numbered 515--a few less than in the previous year. The firms gave employment to 24,000 persons. Manufactured fishery products produced were valued at over $313 million--about $17 million more than in 1959.

Production of packaged fishery products (fillets, steaks, portions, sticks, shellfish items, etc.) increased 1.7 million pounds, and the value was up $2.4 million. Fish meal production was about the same as in 1959; oil and solubles were manufactured in lesser amounts. The total pack of canned fishery products amounted to 20 million cases valued at $262 million--about 468,000 cases and $18 million above the 1959 production. Production of canned tuna, salmon, mackerel, crab meat, and fish for animal food and bait was higher than in 1959. Sardines, oysters, and shrimp were produced at lower levels.

The Pacific Coast tuna fishery had a better year than in 1959, making a remarkable recovery from the chaotic conditions of previous years. Landings increased from 268 million pounds in 1959 to 288 million pounds in 1960. Catches of yellowfin were higher while the volume of albacore, bluefin, and skipjack was less. About 86 percent of the volume and 83 percent of the value was derived from fish taken in waters off foreign countries. Nearly all the skipjack and yellowfin came from this source, while albacore and about half of the bluefin were taken from waters off the United States.

Outstanding in the economic recovery of the tuna industry was the spectacular success of clippers converted to seines. At the end of 1960, there were 67 active vessels in the fleet compared with 15 a year earlier. Tuna seiners demonstrated both efficiency and economy by taking larger catches in less than half the time required by tuna clippers. The converted vessels made trips averaging 4 to 6 weeks. In past years, as clippers, they were at sea for 10 to 14 weeks. Their success was reflected in reduced operating costs; the fish were sold at lower but profitable prices.

Processors (canners) were also better off in 1960 than in 1959. There were few price disputes, labor difficulties, or fleet tieups. A good supply of prime domestic tuna (mostly yellowfin) was available at lower prices, creating an increased demand for domestic fish. Imports of frozen tuna, loins and discs, and canned tuna were less than in 1959. The United States consumption of canned tuna, stimulated by intensive advertising and promotion, continued to grow. The 1960 United States pack of tuna reached a record 15.3 million cases valued at $173 million.

Albacore fishing off the Coasts of Oregon and Washington in 1960 was only 38 percent as productive as in 1959. Landings dropped sharply from 14 million pounds in 1959 to about 5 million pounds in 1960. In spite of the relative scarcity of albacore in the North, prices paid fishermen were less than in the previous year.

In California, the story was different. The albacore catch (35 million pounds) was 7 percent above that of 1959 and could have been larger. A general albacore fleet tieup in California during July proved costly. Reports indicated that large schools of albacore were in nearby southern California waters during that period.

It was noted that in 1960 the albacore fishery shifted to southern California offshore waters early in July, in contrast to 1958 and 1959 when the fish moved toward Pacific Northwest waters. Albacore were also taken in Northern Mexican offshore waters, the first significant return of these fish to this area since 1957.

The 1960 Pacific salmon catch totaled 235 million pounds valued at $45 million--much better than in 1959 when 202 million pounds valued at $36 million were landed. However, only in Western and Central Alaska was the season really successful. Alaska's catch (207 million pounds valued at $34 million) was up 40 percent in volume and 60 percent in value. In Oregon, production was about the same as in the previous year. Washington and California landings were well below those of 1959. Some areas approached near failure. The 1960 pack of canned salmon increased from 2.5 million cases in 1959 to 2.8 million cases. Alaska showed a gain of 793,000 cases, while the pack in Washington, Oregon, and California was down 424,000 cases.

Red salmon returned to Bristol Bay, Alaska, in near record numbers in 1960. The total run was estimated at well over 35 million fish. It produced a catch of about 13.5 million fish, of which almost 10 million were taken in the Naknek-Kvichak area. Over 20 million fish (perhaps a new record) escaped capture and reached spawning grounds.

One major factor in the exceptionally large escapement was the small size of fish (4.8 pounds average). During the early season, many escaped the 5-1/2 inch mesh gill nets. About the middle of July, the State of Alaska lifted almost all regulations (pink salmon nets of 4-1/2 inch mesh became legal) in Bristol Bay salmon fishing. Almost 10 million fish had been caught when restrictions were lifted. At times during the season, catches were too large for canneries to handle. Limits were set by firms, and fishing stopped until cannery crews caught up.

The heavy red salmon run caused a modest revival of Alaska's freezership fishery on Bristol Bay. In 1959 and 1958, the fleet was almost inoperative in Alaska. In 1960, more than 2 million pounds of salmon were delivered to Seattle by 5 vessels. However, not all of this cargo was canned at Seattle or on Puget Sound. Some was sold to Japanese interests.

PACIFIC COAST FISHERIES

Central Alaska salmon fishing along the Alaska Peninsula, off Kodiak Island, and in Cook Inlet, was better than expected in 1960. But in Prince William Sound, following a year of no operations, fishing was poor. In other areas (Southeastern Alaska, Washington, Oregon, and California) all species were scarce and the season approached disaster. There was a highly disappointing silver salmon season both offshore and on Puget Sound, and the troll fishing for king salmon yielded only 785,000 pounds compared with the low 1959 season of about 1.9 million pounds. The area had the lowest catch of chum salmon in many years, and in British Columbia, chums were also scarce. This affected the usual annual exports to the United States. A poor run of red salmon to the Fraser River had been expected, and the catch was only a little better than anticipated. Frequent closings and openings in the Puget Sound fall salmon fishing season caused discouragement to local fishermen. Receipts of salmon (fresh and frozen) at Seattle, Washington, were at an alltime low in 1960.

The halibut fishery of the United States and Canada in the northeastern Pacific Ocean and Bering Sea is managed by the International Pacific Halibut Commission. Under regulations, the fishery which had declined to an unprofitable state has been restored to a highly profitable condition. The total catch in 1960 was 71.9 million pounds (landed weight), the highest ever taken and well above the 44.2 million pounds taken in 1931, the year immediately prior to regulations. In 1960, United States fishermen took 38.3 million pounds or 53 percent of the total catch. Canada continued its growth trend, taking the largest catch in the history of its participation in the fishery.

There was a decrease in the catch from Areas 3A and 3B in spite of a larger fleet, while an increased catch was taken from Areas 2A, 2B, and 2C with a smaller fleet. To westward (Bering Sea), the decline in catch was due chiefly to poorer fishing. United States operations, resulting from the voluntary stay-in-port rules, reacted against Alaska port deliveries and favored those to British Columbia. There was an increase in landings of American fish at Prince Rupert. Halibut prices paid to fishermen in 1960 were below those paid the previous year.

The depressed condition of the world market for fish meal was reflected in the Pacific Coast herring fishery. The catch was down 31 million pounds--from 115 million pounds in 1959 to about 84 million pounds in 1960. Most of the catch was taken in Alaskan waters. In Prince William Sound and the Kodiak Island area, few limitations were imposed and regulations were unusually liberal in Southeastern Alaska. Although the 1960 catch was lower and prices paid to fishermen were less than in 1959, the domestic industry was in better condition than that of neighboring British Columbia. There, the fishery was crippled by price disputes and fleet tieups.

The 1960 California sardine season was another dismal failure. The catch dropped from 74 million pounds in 1959 to only 58 million pounds in 1960. It was the fourth smallest catch taken since 1915. There was no lack of fishing effort, and weather did not limit fishing activities. Sardines just failed to appear in appreciable quantities--catches were spotty and light in normal fishing areas. High surface water temperatures were believed, at least partially, to be the cause for poor showings of sardines during most of the season. Only a few thousand cases of sardines were packed in San Francisco, and most of the fish canned in Monterey was trucked from southern ports. Almost all the 1960 pack, the lowest since 1957, was processed in southern California.

The 1960 catch of jack mackerel (75 million pounds) was 37 million pounds greater than the 1959 catch. Pacific mackerel (37 million pounds) was taken in about the same amounts as in the previous year. Lacking sardines in consistent quantity during the fall months of the year, seiners took substantial quantities of mackerel. Canners' requirements for jack mackerel were stimulated by the poor sardine season.

Landings of anchovies were down from 7 million pounds in 1959 to 5 million pounds in 1960. The canned pack, although larger than in 1959, was the second lowest since 1949. A large percentage of the catch was used in the pack of canned pet food. The reason for the small catch and canned pack was a lack of demand for canned anchovies. Due to the anchovies' small size and soft texture, it is difficult and costly to produce a good pack. Anchovies are packed primarily for export. However, other countries were producing this product at lower costs than in California. The catch of anchovies could be greatly increased if a better market demand were developed.

The catch of Pacific Coast shrimp was down sharply in 1960. Landings totaled only 12 million pounds--8 million pounds less than in 1959. Canned shrimp processors experienced serious setbacks. The 1960 pack (79,000 cases) was less than half the 169,000-case pack of the previous year. With the expansion of the commercial production of small Pacific shrimp, the industry realized that markets other than those for the canned product were needed. One large enough to absorb the potential production is the frozen market.

The 1960 catch of crabs off the Pacific Coast totaled 65 million pounds--nearly 9 million pounds more than in 1959. Rock crab production in California and total Pacific Coast Dungeness crab landings remained at about the same level as in the previous year. The gain was all in king crab fishing in Alaska. Catches increased from 19 million pounds in 1959 to 29 million pounds in 1960. The canned pack of this product increased by an astonishing 81 percent (1959--55,316 cases; 1960--100,105 cases). Three major factors were credited with the growth of this industry: (1) Discovery of new fishing grounds and excellent fishing on the usual grounds were experienced by the crab fleet in 1960; (2) the number of crab canneries increased; (3) there was a growing consumer acceptance of king crab products,and the market was expanded over wide areas of the United States.

In 1960, the Soviet Union and Japan greatly increased the intensity of their exploitation of the king crab population in the Bering Sea off Alaska. These nations had large numbers of efficient vessels engaged in the fishery for a period of several months. Full extent of the Japanese and Russian fishing operations was not known; but they appeared to have little difficulty in securing their catch.

A total of 271 whales was taken in 1960 by five catcher vessels operated by two whaling stations located in San Francisco Bay. This was a few less than were taken in 1959. Whale products, amounting to 10.3 million pounds, were manufactured from the catch. Both whaling companies operated primarily to obtain whale meat. Much of this was ground, packed in 50-pound bags, and frozen for sale to mink ranches. Large amounts were also sold for use in canned pet food. Due to a steadily increasing demand, the price of meat remained high. An additional plant licensed to operate a station at the mouth of the Columbia River was not active during the 1960 season.

Trawling for groundfish in waters off the Pacific Northwest received impetus with the discovery of new fishing areas by the Bureau's John N. Cobb in 1960. Using high-resolution echo sounders and refined exploratory techniques, the vessel located four new areas off Washington where ocean bottoms are favorable for dragging. Commercial quantities of petrale sole, Dover sole, and Pacific ocean perch were present in these areas. The grounds were surrounded by areas of rough bottom. A fifth area--60 square miles in extent--was discovered off British Columbia. Once the grounds were delineated, trawlers were able to fish them through careful use of echo sounders.

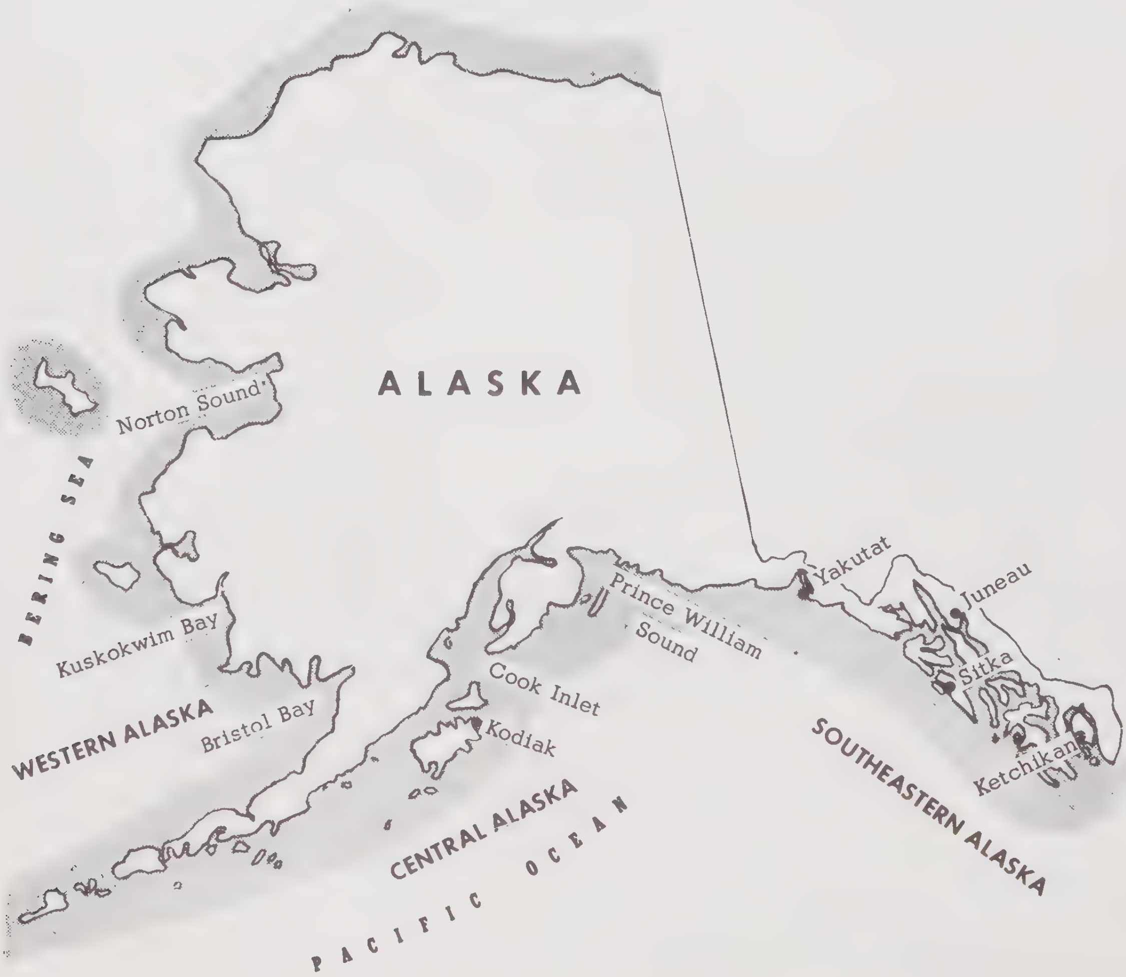
PACIFIC COAST FISHERIES

Good shrimp trawling grounds were found in waters off Oregon by biologists aboard the Bureau's research vessel during cooperative exploratory fishing by the Bureau and the Oregon Fish Commission. Trawling produced fair-size shrimp at a depth of from 90 to 105 fathoms. The area's bottom was reported to be soft and free of rocks.

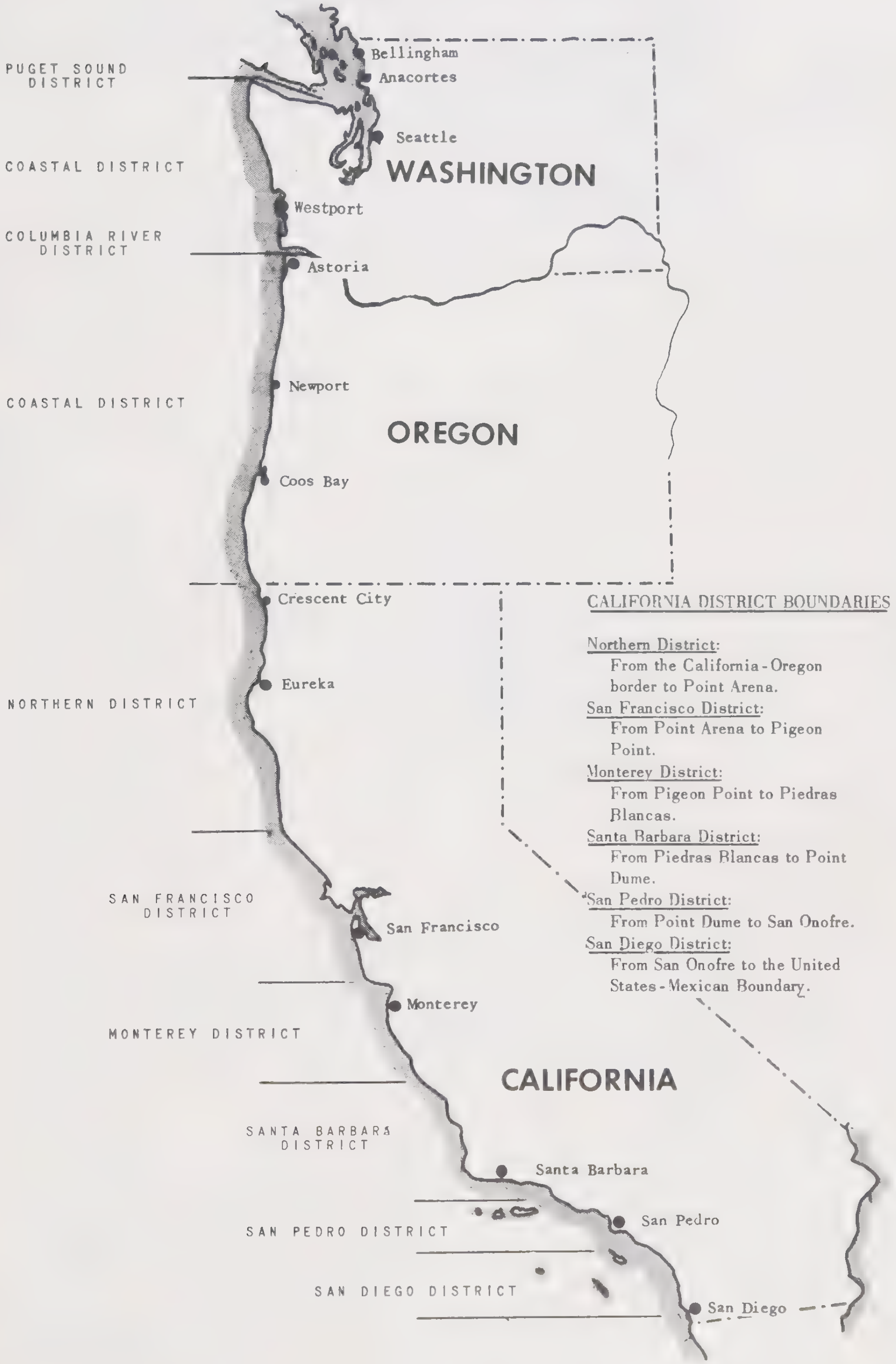
The Bureau acknowledges the assistance of the following organizations in the collection of the data appearing in this section: The Washington Department of Fisheries, the Oregon Fish Commission, the California Department of Fish and Game, and the Alaska Department of Fish and Game.

Condensed summary data on the operating units and catch by States for the Pacific Coast fisheries appearing on the following pages have been previously published in Current Fishery Statistics No. 2795. Additional data on many aspects of the Pacific Coast fisheries may be found in daily, monthly, and annual reports published by the Bureau's Fishery Market News Service offices in San Pedro, California, and Seattle, Washington. Specific data on several of the major fisheries of the Pacific Coast may be found in Section 12 of this publication.

PACIFIC COAST STATES


ALASKA
Norton Sound
BERING SEA
Kuskokwim Bay
WESTERN ALASKA
Bristol Bay
Cook Inlet
Kodiak
Prince William Sound
Yakutat
Juneau
Sitka
Ketchikan
SOUTHEASTERN ALASKA
CENTRAL ALASKA
PACIFIC OCEAN

PACIFIC COAST STATES - Continued


PUGET SOUND DISTRICT
Bellingham
Anacortes
Seattle
COASTAL DISTRICT
WASHINGTON
Westport
COLUMBIA RIVER DISTRICT
Astoria
Newport
COASTAL DISTRICT
OREGON
Coos Bay
Crescent City
Eureka
NORTHERN DISTRICT
SAN FRANCISCO DISTRICT
San Francisco
Monterey
MONTEREY DISTRICT
CALIFORNIA
SANTA BARBARA DISTRICT
Santa Barbara
San Pedro
SAN PEDRO DISTRICT
SAN DIEGO DISTRICT
San Diego

CALIFORNIA DISTRICT BOUNDARIES

Northern District:
From the California-Oregon border to Point Arena.

San Francisco District:
From Point Arena to Pigeon Point.

Monterey District:
From Pigeon Point to Piedras Blancas.

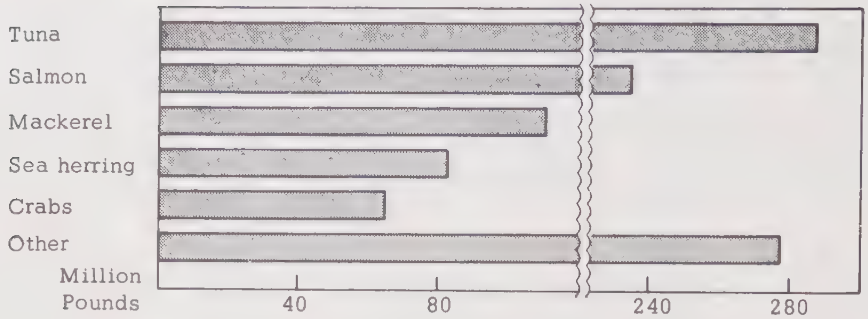
Santa Barbara District:
From Piedras Blancas to Point Dume.

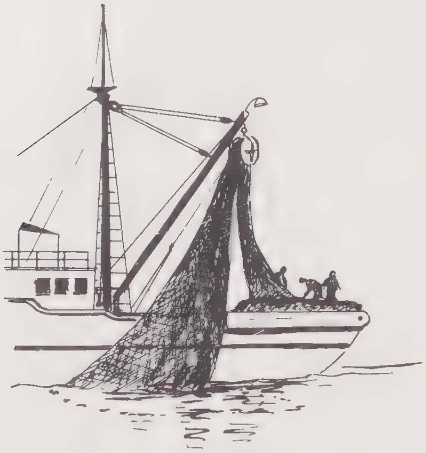
San Pedro District:
From Point Dume to San Onofre.

San Diego District:
From San Onofre to the United States-Mexican Boundary.

PACIFIC COAST FISHERIES

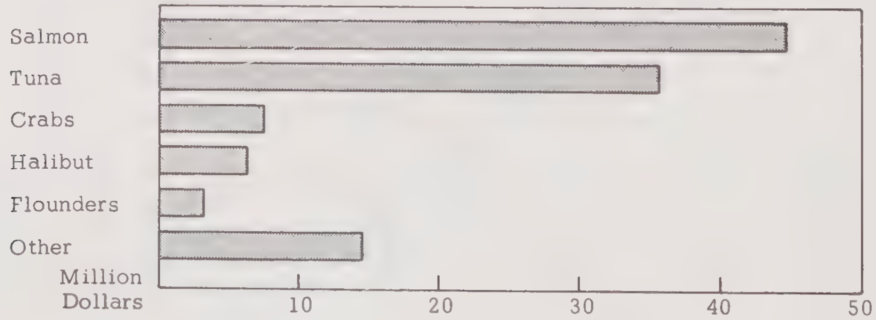
PACIFIC COAST STATES CATCH, 1960





Purse seine power block

VALUE OF PACIFIC COAST STATES CATCH, 1960



PACIFIC COAST FISHERIES

SECTIONAL SUMMARIES

SUMMARY OF CATCH, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

STATE	FISH		SHELLFISH		WHALE PRODUCTS		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALASKA	316,419	37,796	41,294	3,138	-	-	357,713	40,934
WASHINGTON	94,065	12,102	19,050	3,449	-	-	113,115	15,551
OREGON	38,157	4,476	11,003	1,579	-	-	49,160	6,055
CALIFORNIA	508,498	45,080	22,077	3,826	10,262	672	540,837	49,578
TOTAL	957,139	99,454	93,424	11,992	10,262	672	1,060,825	112,118

SUMMARY OF OPERATING UNITS, 1960

ITEM	ALASKA	WASHINGTON	OREGON	CALIFORNIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	7,365	4,267	1,241	5,805	15,974
ON BOATS AND SHORE	6,965	5,006	1,411	2,208	15,465
TOTAL	14,330	9,273	2,652	8,013	31,439
VESSELS, MOTOR	2,264	1,329	584	1,507	4,769
GROSS TONNAGE 1/	44,090	32,446	13,576	74,446	137,354
BOATS:					
MOTOR	4,460	2,138	1,009	1,262	8,764
OTHER	-	400	6	-	406
ACCESSORY BOATS	1,449	261	-	251	1,726
GEAR:					
HAUL SEINES	-	115	2	15	132
LENGTH, YARDS	-	8,600	200	1,900	10,700
PURSE SEINES AND LAMPARA NETS:					
HERRING	27	7	-	-	34
LENGTH, YARDS	13,760	2,995	-	-	16,755
MACKEREL	-	-	-	96	96
LENGTH, YARDS	-	-	-	46,640	46,640
SALMON	1,422	262	-	-	1,526
LENGTH, YARDS	553,826	137,900	-	-	628,526
SARDINE	-	-	-	48	48
LENGTH, YARDS	-	-	-	23,040	23,040
SQUID	-	-	-	26	26
LENGTH, YARDS	-	-	-	8,940	8,940
TUNA	-	-	-	117	117
LENGTH, YARDS	-	-	-	88,578	88,578
OTHER	-	-	-	22	22
LENGTH, YARDS	-	-	-	8,140	8,140
BEAM TRAWLS, SHRIMP	21	1	-	21	43
YARDS AT MOUTH	236	6	-	126	368
OTTER TRAWLS:					
CRAB, KING	28	-	-	-	28
YARDS AT MOUTH	562	-	-	-	562
FISH	-	127	50	73	239
YARDS AT MOUTH	-	2,778	1,109	1,959	5,577
SHRIMP	6	10	13	-	23
YARDS AT MOUTH	142	190	234	-	424
BRUSH WEIRS	-	1	-	-	1
POUND NETS	2	5	-	-	7
FLOATING TRAPS	11	-	-	-	11
POTS AND TRAPS:					
CRAB:					
DUNGENESS	10,216	25,835	31,100	34,255	92,302
KING	8,375	-	-	-	8,375
CRAWFISH	-	-	680	-	680
FISH	-	-	-	50	50
LOBSTER, SPINY	-	-	-	11,482	11,482
OCTOPUS	-	65	-	-	65
SHRIMP	30	175	-	-	205
GILL NETS:					
DRIFT:					
BARRACUDA	-	-	-	33	33
SQUARE YARDS	-	-	-	118,800	118,800
SALMON	2,478	1,378	650	-	4,456
SQUARE YARDS	3,645,138	5,971,600	1,928,000	-	11,252,566
SEA BASS	-	-	-	60	60
SQUARE YARDS	-	-	-	216,000	216,000
SMELT	-	5	70	-	75
SQUARE YARDS	-	4,500	63,000	-	67,500
SET:					
SALMON	1,680	296	133	-	2,109
SQUARE YARDS	1,255,614	68,900	53,000	-	1,377,514
SHARK	-	13	-	-	13
SQUARE YARDS	-	14,050	-	-	14,050

(CONTINUED ON NEXT PAGE)

SEE FOOTNOTE AT END OF TABLE.

SUMMARY OF OPERATING UNITS, 1960 - Continued

ITEM	ALASKA	WASHINGTON	OREGON	CALIFORNIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
GEAR - CONTINUED:					
TRAMMEL NETS	-	-	-	8	8
SQUARE YARDS	-	-	-	54,000	54,000
LINES:					
HAND:					
ROCKFISHES	-	50	-	234	284
HOOKS	-	100	-	468	568
TUNA:					
ALBACORE	-	-	-	918	918
HOOKS	-	-	-	918	918
YELLOWFIN AND SKIPJACK	-	-	-	1,017	1,017
HOOKS	-	-	-	1,017	1,017
TROLL:					
ALBACORE	-	1,058	2,750	7,573	10,082
HOOKS	-	1,058	2,750	7,573	10,082
SALMON	6,048	5,462	2,920	8,028	17,976
HOOKS	24,192	21,928	12,700	48,168	97,316
OTHER	-	-	-	466	466
HOOKS	-	-	-	466	466
LONG OR SET WITH HOOKS	8,944	5,133	144	1,128	13,296
HOOKS	733,408	417,165	12,620	101,600	1,094,394
DIP, BRAIL, OR SCOOP NETS	1	256	23	285	544
REEF NETS	-	89	-	-	89
WHEELS	3	-	-	-	3
HARPOONS:					
WHALE	-	-	-	5	5
OTHER	-	-	-	60	60
DREDGES:					
CLAM	-	3	-	-	3
YARDS AT MOUTH	-	3	-	-	3
OYSTER:					
COMMON	-	80	4	3	87
YARDS AT MOUTH	-	160	8	3	171
SUCTION	-	1	-	1	2
TONGS, OYSTER	-	350	30	25	405
SHOVELS	434	1,490	245	12	2,181
DIVING OUTFITS, ABALONE	-	-	-	66	66

1/ PREVIOUSLY REPORTED AS NET TONNAGE.

CATCH BY STATES, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	ALASKA		WASHINGTON		OREGON 1/	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CARP	-	-	325	7	-	-
COD	-	-	5,136	252	236	11
DOLLY VARDEN TROUT	6	1	-	-	-	-
FLOUNDERS:						
"SOLE"	-	-	15,225	1,056	13,524	825
UNCLASSIFIED	3	(2)	1,115	53	380	14
HAKE	-	-	127	1	540	4
HALIBUT	28,404	3,110	22,043	3,056	480	65
HERRING, SEA	77,913	835	4,104	115	2	(2)
LINGCOD	1	(2)	5,859	266	759	32
MACKEREL, PACIFIC	-	-	1	(2)	-	-
OCEAN PERCH	-	-	6,063	303	2,779	120
PERCH	-	-	171	18	-	-
RATFISH	-	-	1,257	6	-	-
ROCKFISHES	5	(2)	6,029	291	7,538	301
SABLEFISH	2,971	291	5,486	632	449	43
SALMON:						
CHINOOK OR KING	9,112	2,558	4,636	1,827	4,313	1,696
CHUM OR KETA	47,695	3,900	2,095	469	21	2
PINK	52,577	6,815	11	2	-	-
RED OR SOCKEYE	88,165	18,093	6,870	2,245	291	96
SILVER OR COHO	9,551	2,190	2,916	1,119	973	379
TOTAL SALMON	207,100	33,556	16,528	5,662	5,598	2,173

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	ALASKA		WASHINGTON		OREGON 1/	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
SEA BASS, WHITE	-	-	1	(2)	-	-
SHAD	-	-	56	5	400	29
SHARKS:						
GRAYFISH	-	-	1,378	7	47	1
SOUPFIN	-	-	2	(2)	3	(2)
UNCLASSIFIED	-	-	2	(2)	-	-
TOTAL SHARKS	-	-	1,382	7	50	1
SKATES	-	-	481	3	-	-
SMELT:						
EULACHON	(2)	(2)	1,043	119	127	15
SURF OR SILVER	-	-	345	29	5	(2)
STEELHEAD TROUT	16	3	411	110	540	134
STRIPED BASS	-	-	-	-	29	3
STURGEON	-	-	249	30	158	23
SUCKERS	-	-	16	(2)	-	-
TOMCOD	-	-	86	2	-	-
TUNA, ALBACORE	-	-	526	79	4,563	683
TOTAL FISH	316,419	37,796	94,065	12,102	38,157	4,476
SHELLFISH						
CRABS:						
DUNGENESS	4,733	379	7,251	1,081	9,297	1,356
KING	28,570	2,286	-	-	-	-
TOTAL CRABS	33,303	2,665	7,251	1,081	9,297	1,356
CRAWFISH, FRESH-WATER	-	-	-	-	29	8
SHRIMP	7,436	297	1,805	162	1,149	101
CLAMS:						
COCKLE	21	11	-	-	-	-
HARD	-	-	524	213	-	-
RAZOR	534	165	186	100	20	10
MIXED	-	-	-	-	14	5
TOTAL CLAMS	555	176	710	313	34	15
OCTOPUS	-	-	33	4	(2)	(2)
OYSTERS, MARKET:						
PACIFIC	-	-	9,206	1,795	494	99
WESTERN	-	-	45	94	-	-
TOTAL OYSTERS	-	-	9,251	1,889	494	99
TOTAL SHELLFISH	41,294	3,138	19,050	3,449	11,003	1,579
GRAND TOTAL	357,713	40,934	113,115	15,551	49,160	6,055

SPECIES	CALIFORNIA 1/		TOTAL	
FISH	QUANTITY	VALUE	QUANTITY	VALUE
ANCHOVIES	5,059	74	5,059	74
BARRACUDA	1,230	140	1,230	140
BONITO	1,250	37	1,250	37
CABEZONE	3	(2)	3	(2)
CABRILLA	12	2	12	2
CARP	319	15	644	22
COD	-	-	5,372	263
DOLLY VARDEN TROUT	-	-	6	1
FLOUNDERS:				
ARROWTOOTH HALIBUT	1,008	22	1,008	22
CALIFORNIA HALIBUT	3/376	3/90	376	90
SAND DABS	348	23	348	23
"SOLE"	15,445	1,048	44,194	2,929
UNCLASSIFIED	3/259	3/13	1,757	80

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	CALIFORNIA 1/		TOTAL	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE
FLYING FISH	71	16	71	16
GROUPERS	254	52	254	52
HAKE	325	6	992	11
HALFMOON	3	1	3	1
HALIBUT	5	1	50,932	6,232
HARDHEAD	175	40	175	40
HERRING, SEA	1,801	44	83,820	994
KING CROAKER	1,078	38	1,078	38
LINGCOD	1,307	94	7,926	392
MACKEREL:				
JACK	74,945	1,582	74,945	1,582
PACIFIC	36,809	757	36,810	757
OCEAN PERCH	-	-	8,842	423
OPALEYE	1	(2)	1	(2)
PERCH	164	25	335	43
POMPANO	15	4	15	4
RATFISH	1	(2)	1,258	6
ROCKFISHES	13,714	672	27,286	1,264
SABLEFISH	2,419	121	11,325	1,087
SALMON:				
CHINOOK OR KING	5,996	3,242	24,057	9,323
CHUM OR KETA	-	-	49,811	4,371
PINK	-	-	52,588	6,817
RED OR SOCKEYE	-	-	95,326	20,434
SILVER OR COHO	225	97	13,665	3,785
TOTAL SALMON	6,221	3,339	235,447	44,730
SARDINE, PACIFIC	57,533	1,186	57,533	1,186
SCULPIN	29	9	29	9
SEA BASS:				
BLACK	242	37	242	37
WHITE	1,236	312	1,237	312
SHAD	-	-	456	34
SHARKS:				
GRAYFISH	-	-	1,425	8
SOUPFIN	-	-	5	(2)
UNCLASSIFIED	694	65	696	65
TOTAL SHARKS	694	65	2,126	73
SHEEPSHEAD	5	(2)	5	(2)
SKATES	147	2	628	5
SMELT:				
EULACHON	-	-	1,170	134
SURF OR SILVER	429	24	779	53
SPLITTAIL	1	(2)	1	(2)
STEELHEAD TROUT	-	-	967	247
STRIPED BASS	-	-	29	3
STURGEON	-	-	407	53
SUCKERS	-	-	16	(2)
SWORDFISH	325	146	325	146
TOMCOD	-	-	86	2
TUNA:				
ALBACORE	35,113	5,177	40,202	5,939
BLUEFIN	11,952	1,456	11,952	1,456
SKIPJACK	46,304	4,791	46,304	4,791
YELLOWFIN	189,307	23,566	189,307	23,566
TOTAL TUNA	282,676	34,990	287,765	35,752
TURBOT	62	4	62	4
WAHOO	16	5	16	5
WHITEBAIT	158	15	168	15
YELLOWTAIL	249	23	249	23
UNCLASSIFIED, FOR FOOD	69	6	69	6
TOTAL FISH	508,498	45,080	957,139	99,454

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	CALIFORNIA 1/		TOTAL	
SHELLFISH	QUANTITY	VALUE	QUANTITY	VALUE
CRABS:				
DUNGENESS	14,876	2,517	36,157	5,333
KING	-	-	28,570	2,286
ROCK	120	9	120	9
TOTAL CRABS	14,996	2,526	64,847	7,628
CRAWFISH, FRESH-WATER	-	-	29	8
LOBSTERS, SPINY	351	236	351	235
SHRIMP	2,028	204	12,418	764
ABALONE	853	496	853	496
CLAMS:				
COCKLE	-	-	21	11
HARD	2	3	526	216
RAZOR	-	-	740	275
MIXED	-	-	14	5
TOTAL CLAMS	2	3	1,301	507
OCTOPUS	2	(2)	35	4
OYSTERS, MARKET:				
EASTERN	(2)	1	(2)	1
PACIFIC	1,283	288	10,983	2,182
WESTERN	-	-	45	94
TOTAL OYSTERS	1,283	289	11,028	2,277
SQUID	2,562	72	2,562	72
TOTAL SHELLFISH	22,077	3,826	93,424	11,992
WHALE PRODUCTS:				
MEAL	2,973	135	2,973	135
MEAT	4,010	362	4,010	362
OIL:				
SPERM	170	10	170	10
WHALE	3,109	165	3,109	165
TOTAL WHALE PRODUCTS	10,262	672	10,262	672
GRAND TOTAL	540,837	49,578	1,060,825	112,118

1/ INCLUDES THE CATCH TAKEN OFF LATIN AMERICA. A PORTION OF THE TUNA CATCH TAKEN OFF LATIN AMERICA BY UNITED STATES FISHERMEN, WHICH IS INCLUDED IN THIS TABLE, MAY ALSO BE INCLUDED IN UNITED STATES IMPORT STATISTICS.

2/ LESS THAN 500 POUNDS OR $500.

3/ SOME HALIBUT MAY BE INCLUDED WITH "CALIFORNIA HALIBUT" AND "UNCLASSIFIED FLOUNDERS."

NOTE:--DATA ON THE VOLUME OF FISH LANDED IN CALIFORNIA ARE SHOWN IN WEIGHTS AS LANDED, WHILE THOSE FOR WASHINGTON AND OREGON ARE IN ROUND WEIGHT. ALASKA DATA INCLUDES THE CATCH OF HALIBUT, SABLEFISH, LINGCOD, AND ROCKFISHES LANDED BY U.S. VESSELS AT BRITISH COLUMBIA PORTS.

SALMON

MANUFACTURED FISHERY PRODUCTS, 1960

ITEM		ALASKA		WASHINGTON	
		QUANTITY	VALUE	QUANTITY	VALUE
COD:					
FILLETS:					
FRESH	POUNDS	-	-	786,169	$170,745
FROZEN	DO	-	-	687,375	153,782
SALTED (WHOLE AND BONED)	DO	-	-	38,511	20,032
DOLLY VARDEN TROUT, SMOKED	DO	73	$55	-	-
FLOUNDER FILLETS:					
FRESH	DO	-	-	1,812,566	609,580
FROZEN	DO	-	-	2,042,468	681,028
HALIBUT:					
FROZEN:					
FILLETS	DO	-	-	903,286	456,365
STEAKS	DO	-	-	5,162,704	2,237,995
CHEEKS	DO	15,312	3,843	-	-
SMOKED AND KIPPERED	DO	-	-	170,000	50,000
HERRING, SEA:					
MEAL	TONS	6,103	591,100	(1)	(1)
OIL	GALLONS	1,385,218	623,348	(1)	(1)
LINGCOD FILLETS:					
FRESH	POUNDS	-	-	994,520	204,215
FROZEN	DO	-	-	920,313	191,889
OCEAN PERCH FILLETS:					
FRESH	DO	-	-	435,073	88,816
FROZEN	DO	-	-	1,280,750	309,127
ROCKFISHES, FILLETS:					
FRESH	DO	-	-	1,376,571	273,228
FROZEN	DO	-	-	365,953	72,971
SABLEFISH, CURED:					
SALTED	DO	9,075	3,176	77,453	17,454
SMOKED (INCLUDING KIPPERED)	DO	896	549	166,440	59,525
SALMON:					
FROZEN FILLETS AND STEAKS	DO	-	-	725,063	518,659
CANNED:					
CHINOOK OR KING	STANDARD CASES	46,953	1,615,365	9,810	375,657
CHUM OR KETA	DO	582,335	12,884,962	50,330	1,162,090
PINK	DO	681,728	17,120,646	3,776	106,831
RED OR SOCKEYE	DO	1,184,442	42,577,131	124,751	6,514,514
SILVER OR COHO	DO	75,698	2,336,848	12,731	535,965
TOTAL CANNED SALMON	DO	2,571,156	76,534,952	201,398	8,695,057
EGGS FOR BAIT	DO	-	-	14,948	868,688
SMOKED (INCLUDING KIPPERED)	DO	184	18,114	500	38,308
CURED:					
SALTED:					
MILD-CURED AND PICKLED (INCLUDING BELLIES)	POUNDS	2,176,304	1,917,637	1,451,200	1,333,160
EGGS FOR FOOD AND BAIT	DO	217,756	48,916	226,300	99,092
SMOKED (INCLUDING KIPPERED)	DO	2,187	2,876	616,908	408,653
TUNA, CANNED:					
ALBACORE	STANDARD CASES	-	-	97,218	1,144,315
LIGHT MEAT	DO	-	-	202,597	1,795,045
TOTAL CANNED TUNA	DO	-	-	299,815	2,939,360
SPECIALTIES, CANNED (WITH NOODLES, BEANS, AND CREAM SAUCE)	DO	-	-	(1)	(1)
CRABS:					
DUNGENESS:					
COOKED MEAT, FRESH AND FROZEN	POUNDS	438,134	466,909	609,197	623,236
FROZEN LEGS AND SECTIONS	DO	18,057	4,440	-	-
CANNED	STANDARD CASES	22,263	561,738	28,154	654,033
KING:					
COOKED MEAT, FRESH AND FROZEN	POUNDS	1,592,747	1,627,146	-	-
FROZEN SECTIONS	DO	585,999	268,545	-	-
CANNED	STANDARD CASES	100,105	2,950,105	-	-
SHRIMP:					
RAW, HEADLESS, FRESH AND FROZEN	POUNDS	926	1,383	-	-
MEAT, RAW AND COOKED (INCLUDING PEELED AND DEVEINED), FRESH AND FROZEN	DO	371,351	343,211	-	-
CANNED	STANDARD CASES	51,249	777,369	(1)	(1)
MEAL	TONS	9	92	-	-

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

MANUFACTURED FISHERY PRODUCTS, 1960 - Continued

ITEM		ALASKA		WASHINGTON	
		QUANTITY	VALUE	QUANTITY	VALUE
CLAMS:					
HARD (INCLUDING PISMO), CANNED:					
WHOLE AND MINCED	STANDARD CASES	-	-	5,518	$65,793
CHOWDER AND JUICE	DO	-	-	8,797	57,159
RAZOR (INCLUDING COCKLES IN ALASKA):					
SHUCKED	GALLONS	38	$250	(1)	(1)
WHOLE AND MINCED, CANNED	STANDARD CASES	22,969	459,295	72	1,510
OYSTERS, SHUCKED, FRESH AND FROZEN:					
PACIFIC	GALLONS	-	-	816,084	2,715,276
WESTERN	DO	-	-	4,099	110,010
FUR SEAL:					
MEAL	TONS	166	8,520	-	-
OIL	GALLONS	22,300	5,631	-	-
UNCLASSIFIED PRODUCTS:					
PACKAGED, FRESH AND FROZEN:					
FISH FILLETS, STEAKS AND PORTIONS (NOT BREADED)	POUNDS	-	-	2/741,076	2/385,661
FISH PORTIONS AND STICKS, BREADED	DO	-	-	(3)	(3)
SHELLFISH	GALLONS	-	-	(3)	(3)
SPECIALTIES	POUNDS	-	-	6/442,871	6/185,918
CANNED FISH AND SHELLFISH	STANDARD CASES	-	-	9/326,895	9/3,818,835
CURED FISH AND SHELLFISH	POUNDS	-	-	12/12,775	12/5,437
BYPRODUCTS	-	-	-	-	15/154,719
TOTAL	-	-	87,219,200	-	29,275,316

ITEM		OREGON		CALIFORNIA	
		QUANTITY	VALUE	QUANTITY	VALUE
COD:					
FILLETS:					
FRESH	POUNDS	44,856	$9,129	-	-
FROZEN	DO	27,750	6,030	-	-
SALTED (WHOLE AND BONED)	DO	-	-	(1)	(1)
FLOUNDER FILLETS:					
FRESH	DO	1,396,239	524,818	864,500	$337,061
FROZEN	DO	1,566,645	536,896	2,125,500	750,337
HALIBUT, FROZEN, STEAKS	DO	-	-	709,091	357,740
HERRING, SEA, MEAL	TONS	-	-	(1)	(1)
LINGCOD FILLETS:					
FRESH	POUNDS	114,134	22,660	-	-
FROZEN	DO	64,268	13,598	(1)	(1)
MACKEREL, CANNED:					
JACK	STANDARD CASES	-	-	622,712	3,823,337
PACIFIC	DO	-	-	312,034	1,980,628
OCEAN PERCH FILLETS:					
FRESH	POUNDS	225,398	46,749	-	-
FROZEN	DO	713,706	176,244	(1)	(1)
ROCKFISHES, FILLETS:					
FRESH	DO	1,468,025	293,608	(1)	(1)
FROZEN	DO	161,132	32,910	481,500	98,720
SABLEFISH, CURED, SMOKED (INCLUDING KIPPERED)	DO	-	-	519,760	183,844
SALMON:					
FROZEN FILLETS AND STEAKS	DO	-	-	124,300	91,656
CANNED:					
CHINOOK OR KING	STANDARD CASES	43,291	2,044,961	(1)	(1)
CHUM OR KETA	DO	1,123	26,031	-	-
RED OR SOCKEYE	DO	7,235	425,997	-	-
SILVER OR COHO	DO	3,851	188,629	-	-
STEELHEAD	DO	6,174	275,303	-	-
TOTAL CANNED SALMON	DO	61,674	2,960,921	(1)	(1)
SMOKED (INCLUDING KIPPERED)	DO	163	10,636	(1)	(1)
CURED:					
SALTED,					
MILD-CURED AND PICKLED (INCLUDING BELLIES)	POUNDS	-	-	741,950	615,650
SMOKED (INCLUDING KIPPERED)	DO	-	-	1,069,505	1,021,011
SARDINES, PACIFIC:					
CANNED	STANDARD CASES	-	-	615,865	4,658,747
MEAL	TONS	-	-	3,508	316,463
OIL	GALLONS	-	-	160,121	78,066

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

MANUFACTURED FISHERY PRODUCTS, 1960 - Continued

ITEM		OREGON		CALIFORNIA	
		QUANTITY	VALUE	QUANTITY	VALUE
TUNA, CANNED:					
ALBACORE	STANDARD CASES	903,465	$12,307,504	1,932,883	$23,240,531
LIGHT MEAT	DO	270,260	2,776,601	8,618,594	92,723,576
UNCLASSIFIED (TONNO)	DO	-	-	163,434	2,244,428
TOTAL CANNED TUNA.	DO	1,173,725	15,084,105	10,714,911	118,208,535
SPECIALTIES, CANNED (WITH NOODLES, BEANS, AND CREAM SAUCE).	DO	(1)	(1)	60,380	442,858
BONITO AND YELLOWTAIL, CANNED. . .	DO	-	-	14,423	106,859
CRABS, DUNGENESS:					
COOKED MEAT, FRESH AND FROZEN. .	POUNDS	1,250,029	1,273,504	2,579,863	2,609,251
CANNED	STANDARD CASES	(1)	(1)	(1)	(1)
SHRIMP:					
RAW, HEADLESS, FRESH AND FROZEN.	POUNDS	-	-	315,026	278,634
MEAT, RAW AND COOKED (INCLUDING PEELED AND DEVEINED), FRESH AND FROZEN.	DO	38,214	39,414	847,254	908,625
BREADED, FROZEN.	DO	-	-	3,995,906	2,864,435
CANNED	STANDARD CASES	(1)	(1)	-	-
ABALONE STEAKS, FRESH AND FROZEN .	POUNDS	-	-	413,495	555,231
CLAMS:					
HARD (INCLUDING PISMO), CANNED, WHOLE AND MINCED.	STANDARD CASES	-	-	(1)	(1)
RAZOR (INCLUDING COCKLES IN ALASKA):					
SHUCKED.	GALLONS	(1)	(1)	-	-
WHOLE AND MINCED, CANNED . . .	STANDARD CASES	267	7,268	-	-
OYSTERS, SHUCKED, FRESH AND FROZEN:					
PACIFIC.	GALLONS	130,177	462,357	171,015	657,851
WESTERN.	DO	(1)	(1)	-	-
SCALLOPS, BREADED, FROZEN.	POUNDS	-	-	161,826	104,799
WHALE:					
MEAT, FROZEN (FOR ANIMAL FOOD) .	DO	-	-	4,009,950	362,545
MEAL	TONS	-	-	1,486	135,271
OIL:					
SPERM.	GALLONS	-	-	22,624	9,553
OTHER.	DO	-	-	414,513	165,016
UNCLASSIFIED PRODUCTS:					
PACKAGED, FRESH AND FROZEN:					
FISH FILLETS, STEAKS, AND PORTIONS (NOT BREADED)	POUNDS	(3)	(3)	4/1,006,311	4/394,678
FISH PORTIONS AND STICKS, BREADED	DO	-	-	6,330,423	3,406,084
SHELLFISH.	GALLONS	5/2,887	5/34,014	(3)	(3)
SPECIALTIES.	POUNDS	7/11,750	7/3,474	8/477,788	8/227,938
CANNED FISH AND SHELLFISH. . . .	STANDARD CASES	10/67,812	10/660,820	11/2,953,423	11/15,680,224
CURED FISH AND SHELLFISH	POUNDS	13/14,800	13/13,545	14/1,248,580	14/456,017
BYPRODUCTS	-	-	16/429,546	-	17/12,266,048
TOTAL.	-	-	22,642,246	-	174,153,712

1/ INCLUDED WITH "UNCLASSIFIED PRODUCTS." 2/ INCLUDES FROZEN SABLEFISH AND SWORDFISH STEAKS. 3/ INCLUDED WITH FRESH AND FROZEN SPECIALTIES. 4/ INCLUDES FRESH ROCKFISH FILLETS, FROZEN LINGCOD AND OCEAN PERCH FILLETS, FROZEN SEA BASS AND SWORDFISH STEAKS, AND FROZEN FISH PORTIONS. 5/ INCLUDES SHUCKED RAZOR CLAMS, WESTERN OYSTERS, AND SOFT CLAMS. 6/ INCLUDES FROZEN BREADED FISH STICKS AND SHUCKED RAZOR CLAMS. 7/ FRESH FISH FILLETS. 8/ INCLUDES FROZEN BREADED FISH FILLETS; FISH AND CHIPS, ABALONE PATTIES, AND SHUCKED CLAMS. 9/ INCLUDES CANNED SALMON LIVERS, SHAD, SHAD ROE, SMOKED STURGEON, SMOKED TUNA, FISH CAKES, ANIMAL FOOD, CRAB COCKTAILS, SMOKED CRAB MEAT, SHRIMP, SHRIMP COCKTAILS, CLAMS IN THE SHELL, SMOKED RAZOR CLAMS, OYSTERS, SMOKED OYSTERS, OYSTER SOUP, AND OYSTER STEW. 10/ INCLUDES CANNED SMOKED SABLEFISH, SHAD, KIPPERED SHAD, SHAD ROE, KIPPERED STURGEON, SMOKED STURGEON, SMOKED TUNA, ANIMAL FOOD, CRAB MEAT, SHRIMP, OYSTERS, SMOKED OYSTERS, AND OYSTER STEW. 11/ INCLUDES CANNED ANCHOVIES, CHINOOK SALMON, SMOKED SALMON, SHAD ROE, PACIFIC HERRING, ANIMAL FOOD, CRAB MEAT, ABALONE TRIMMINGS, MINCED PISMO CLAMS, AND SQUID. 12/ INCLUDES LUTEFISK (FROM DRIED COD), SALTED SEA HERRING, SMOKED LINGCOD, AND KIPPERED STURGEON. 13/ INCLUDES LUTEFISK (FROM DRIED COD), SMOKED SALMON, AND SALTED AND PICKLED SHRIMP. 14/ INCLUDES SALTED BARRACUDA, BLACK SEA BASS, COD, PACIFIC SARDINES, SEA HERRING, AND YELLOWTAIL; SMOKED BARRACUDA, CARP, CHUBS, COD, EELS, SHAD, STURGEON, SWORDFISH, TUNA, AND WHITEFISH. 15/ INCLUDES HERRING MEAL AND OIL, SALMON OIL, SHARK LIVER OIL, CRAB MEAL, SHRIMP MEAL, UNCLASSIFIED MEAL AND OIL, OYSTER SHELL LIME AND POULTRY GRIT, AND LIQUID FERTILIZER. 16/ INCLUDES SALMON OIL; UNCLASSIFIED MEAL, OIL, LIVER OIL, FISH SOLUBLES, AND LIQUID FERTILIZER; OYSTER SHELL LIME AND POULTRY GRIT. 17/ INCLUDES AGAR-AGAR, ANCHOVY MEAL AND OIL, HERRING MEAL, MACKEREL AND TUNA MEAL AND OIL, KELP PRODUCTS, SHARK LIVER OIL; UNCLASSIFIED MEAL, OIL AND SOLUBLES; AND OYSTER SHELL LIME AND POULTRY GRIT.

NOTE:--SOME OF THE ABOVE PRODUCTS MAY HAVE BEEN MANUFACTURED FROM RAW PRODUCTS IMPORTED FROM ANOTHER STATE OR A FOREIGN COUNTRY; THEREFORE, THEY CANNOT BE CORRELATED DIRECTLY WITH THE CATCH WITHIN THE STATE.

SUMMARY OF PRODUCTION, BY COMMODITIES, 1960

SUMMARY OF ITEMS		QUANTITY	VALUE
PACKAGED, FRESH AND FROZEN:			
NOT BREADED:			
FISH FILLETS AND STEAKS. . .	POUNDS	29,173,666	$9,956,928
SHELLFISH.	DO	19,016,847	13,037,281
BREADED:			
FISH (FILLETS, PORTIONS, AND STICKS)	DO	6,728,597	3,553,129
SHELLFISH.	DO	4,157,732	2,969,234
SPECIALTIES (FISH AND SHELLFISH)	DO	584,192	306,101
FROZEN WHALE MEAT (FOR ANIMAL FOOD)	DO	4,009,950	362,545
CANNED:			
FISH FOR HUMAN CONSUMPTION . .	STANDARD CASES	16,678,523	235,869,125
ANIMAL FOOD AND SALMON EGGS FOR BAIT.	DO	3,056,284	16,993,684
SHELLFISH.	DO	516,605	9,202,445
CURED:			
SALTED FISH AND SHELLFISH (INCLUDES LUTEFISK FROM DRIED COD).	POUNDS	5,743,104	4,328,774
SMOKED AND KIPPERED.	DO	3,017,369	1,927,855
BYPRODUCTS:			
MEAL	TONS	38,078	3,488,775
OIL (INCLUDING LIVER OIL). . .	GALLONS	2,754,742	1,319,940
FISH SOLUBLES.	TONS	20,439	933,358
OYSTER SHELL LIME AND POULTRY GRIT.	DO	19,739	274,078
OTHER (AGAR-AGAR, KELP PRODUCTS, AND LIQUID FERTILIZER).	-	-	8,767,222
TOTAL.	-	-	313,290,474

SUMMARY OF VALUE, BY STATES, 1960

STATE	VALUE
ALASKA	$87,219,200
WASHINGTON	29,275,316
OREGON	22,642,246
CALIFORNIA	174,153,712
TOTAL.	313,290,474

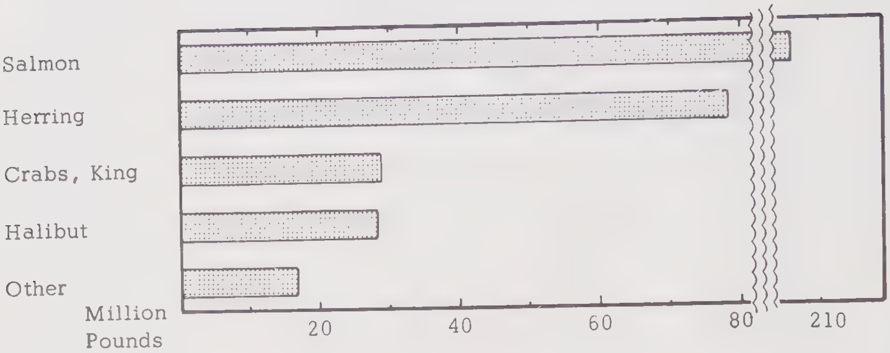
TRANSPORTING, WHOLESALING, AND MANUFACTURING, 1960

ITEM	ALASKA	WASHINGTON	OREGON	CALIFORNIA	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
TRANSPORTING:					
PERSONS ENGAGED:					
ON VESSELS.	681	113	23	-	817
ON BOATS.	90	1	8	-	99
VESSELS, MOTOR.	260	41	13	-	314
GROSS TONNAGE	26,151	2,101	311	-	28,563
BOATS, MOTOR.	45	1	8	-	54
WHOLESALING AND MANUFACTURING:					
ESTABLISHMENTS.	134	172	53	156	515
PERSONS ENGAGED:					
AVERAGE FOR SEASON.	7,938	4,237	1,752	10,076	24,003
AVERAGE FOR YEAR.	2,646	1,952	1,066	7,061	12,725

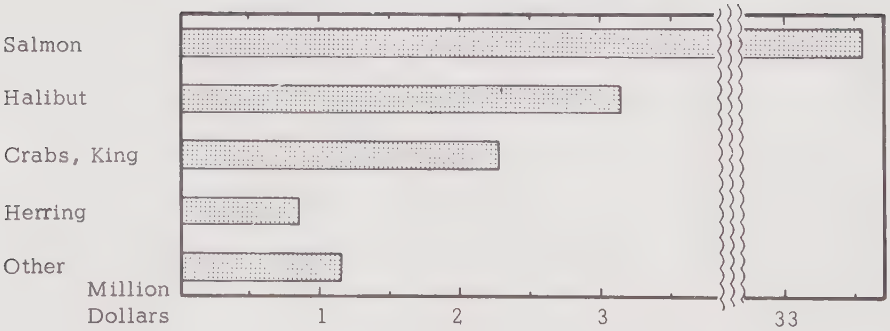
NOTE:--BOATS AND VESSELS ENGAGED IN TRANSPORTING AND FISHING ARE INCLUDED ONLY AS FISHING CRAFT. NONE OF THE PERSONS SHOWN ON TRANSPORTERS ENGAGED IN FISHING.

PACIFIC COAST FISHERIES

ALASKA CATCH, 1960



VALUE OF ALASKA CATCH, 1960



PACIFIC COAST FISHERIES

ALASKA

CATCH BY REGIONS, 1960

SPECIES	SOUTHEASTERN ALASKA		CENTRAL ALASKA	
FISH	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS	2,027	$162	648	$52
HALIBUT 1/	22,495,620	2,511,632	5,908,000	598,219
HERRING	77,812,840	832,677	99,925	1,998
LINGCOD	1,569	78	-	-
ROCKFISHES	1,583	79	3,409	170
SABLEFISH 2/	2,932,774	288,385	38,080	3,161
SALMON: 3/				
CHINOOK OR KING	5,039,774	1,711,938	835,793	197,682
CHUM OR KETA	10,216,266	963,396	24,946,575	2,013,571
PINK	10,455,381	1,332,315	39,216,182	5,235,137
RED OR SOCKEYE	3,235,037	830,461	15,339,855	3,628,900
SILVER OR COHO	5,292,095	1,471,224	3,819,813	658,561
TOTAL SALMON	34,238,553	6,309,334	84,158,218	11,733,851
SMELT	-	-	87	26
TROUT:				
DOLLY VARDEN	6,202	992	-	-
STEELHEAD	15,659	2,662	-	-
TOTAL FISH	137,506,827	9,946,001	90,208,367	12,337,477
SHELLFISH				
CLAMS:				
COCKLE	-	-	20,675	10,540
RAZOR	-	-	533,522	165,138
CRABS:				
DUNGENESS	1,993,167	159,453	2,740,105	219,208
KING	3,424	810	27,878,630	2,230,290
SHRIMP	3,343,373	133,735	4,092,834	163,714
TOTAL SHELLFISH	5,339,964	293,998	35,265,766	2,788,890
GRAND TOTAL	142,846,791	10,239,999	125,474,133	15,126,367

SPECIES	WESTERN ALASKA		TOTAL	
FISH	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS	-	-	2,675	$214
HALIBUT 1/	-	-	28,403,620	3,109,851
HERRING	-	-	77,912,765	834,675
LINGCOD	-	-	1,569	78
ROCKFISHES	-	-	4,992	249
SABLEFISH 2/	-	-	2,970,854	291,546
SALMON: 3/				
CHINOOK OR KING	3,236,699	$648,249	9,112,266	2,557,869
CHUM OR KETA	12,532,511	923,253	47,695,352	3,900,220
PINK	2,905,401	247,843	52,576,964	6,815,295
RED OR SOCKEYE	69,589,656	13,633,475	88,164,548	18,092,836
SILVER OR COHO	439,522	59,641	9,551,430	2,189,426
TOTAL SALMON	88,703,789	15,512,461	207,100,560	33,555,646
SMELT	-	-	87	26
TROUT:				
DOLLY VARDEN	-	-	6,202	992
STEELHEAD	-	-	15,659	2,662
TOTAL FISH	88,703,789	15,512,461	316,418,983	37,795,939
SHELLFISH				
CLAMS:				
COCKLE	-	-	20,675	10,540
RAZOR	-	-	533,522	165,138
CRABS:				
DUNGENESS	-	-	4,733,272	378,661
KING	687,962	55,036	28,570,016	2,286,136
SHRIMP	-	-	7,436,207	297,449
TOTAL SHELLFISH	687,962	55,036	41,293,692	3,137,924
GRAND TOTAL	89,391,751	15,567,497	357,712,675	40,933,863

1/ INCLUDES THE VALUE OF HALIBUT LIVERS AND VISCERA AMOUNTING TO $17,920.

2/ INCLUDES THE VALUE OF SABLEFISH LIVERS AMOUNTING TO $119.

3/ ESTIMATED WEIGHTS OF SALMON WERE DETERMINED FOR EACH REGION. THESE WEIGHTS WERE USED TO CONVERT NUMBER OF SALMON TO POUNDS.

NOTE:--THE ABOVE DATA INCLUDE CATCHES OF HALIBUT, SABLEFISH, LINGCOD, AND ROCKFISHES LANDED BY VESSELS OF U. S. REGISTRY IN BRITISH COLUMBIA PORTS. ROUND WEIGHTS OF FISH TAKEN BY HALIBUT VESSELS WERE OBTAINED BY MULTIPLYING REPORTED WEIGHTS, REPRESENTING POUNDAGE OF FISH EVISCERATED AND WITH HEADS-OFF, BY THE FOLLOWING FACTORS: HALIBUT 1.33, AND SABLEFISH, LINGCOD, AND ROCKFISHES 1.43.

SUMMARY OF PRODUCTS AS PREPARED FOR MARKET, 1960

ITEM	SOUTHEASTERN ALASKA		CENTRAL ALASKA		WESTERN ALASKA		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS . . .	2,027	$162	648	$52	-	-	2,675	$214
HALIBUT	16,548,173	2,867,322	6,492,242	868,832	-	-	23,040,415	3,736,154
HERRING	26,827,235	1,390,394	-	-	-	-	26,827,235	1,390,394
LINGCOD	1,097	230	-	-	-	-	1,097	230
ROCKFISHES. . .	1,330	183	2,863	395	-	-	4,193	578
SABLEFISH . . .	2,240,104	406,315	180,262	36,052	-	-	2,420,366	442,367
SALMON.	25,182,886	13,686,486	58,893,300	33,629,494	52,631,772	$35,792,401	136,707,958	83,108,381
SMELT	-	-	87	54	-	-	87	54
TROUT:								
DOLLY VARDEN.	6,060	1,073	-	-	-	-	6,060	1,073
STEELHEAD . .	8,794	3,494	-	-	-	-	8,794	3,494
CLAMS, RAZOR AND COCKLE . .	-	-	344,868	459,545	-	-	344,868	459,545
CRABS:								
DUNGENESS . .	653,451	608,977	494,444	499,455	-	-	1,147,895	1,108,432
KING.	3,424	1,883	4,893,011	5,160,983	138,000	132,000	5,034,435	5,294,866
SHRIMP.	592,157	541,670	585,349	587,039	-	-	1,177,506	1,128,709
FUR SEAL. . . .	-	-	-	-	499,250	14,151	499,250	14,151
TOTAL . .	72,066,738	19,508,189	71,887,074	41,241,901	53,269,022	35,938,552	197,222,834	96,688,642

NOTE:--DATA ON PRODUCTS AS PREPARED FOR MARKET INCLUDE THE PRODUCTION OF CANADIAN-CAUGHT HALIBUT LANDED IN ALASKA. THE QUANTITY OF FISH LANDED BY HALIBUT CRAFT OF U.S. REGISTRY AT BRITISH COLUMBIA PORTS IS INCLUDED IN THE CATCH CREDITED TO SOUTHEASTERN ALASKA BUT IS NOT INCLUDED IN DATA ON PRODUCTS AS PREPARED FOR MARKET.

PRODUCTS AS PREPARED FOR MARKET, 1960

ITEM	SOUTHEASTERN ALASKA		CENTRAL ALASKA		WESTERN ALASKA		TOTAL	
FRESH	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HALIBUT	-	-	1,524	$380	-	-	1,524	$380
HERRING, FOR BAIT	25,850	$7,755	-	-	-	-	25,850	7,755
LINGCOD	1,097	230	-	-	-	-	1,097	230
SALMON, FOOD. . .	-	-	728	250	2,667	$640	3,395	890
SMELT	-	-	87	54	-	-	87	54
CLAMS, RAZOR, MINCED	-	-	333	250	-	-	333	250
CRABS:								
DUNGENESS:								
WHOLE	660	153	-	-	-	-	660	153
MEAT.	-	-	500	500	-	-	500	500
KING, WHOLE . .	3,424	1,883	26,226	10,312	-	-	29,650	12,195
TOTAL FRESH	31,031	10,021	29,398	11,746	2,667	640	63,096	22,407
FROZEN								
FLOUNDERS, FOR BAIT	2,027	162	648	52	-	-	2,675	214
HALIBUT:								
DRESSED	16,441,747	2,839,653	6,490,718	868,452	-	-	22,932,465	3,708,105
CHEEKS.	15,312	3,843	-	-	-	-	15,312	3,843
LIVERS.	75,936	22,309	-	-	-	-	75,936	22,309
VISCERA	15,178	1,517	-	-	-	-	15,178	1,517
HERRING, FOR BAIT	4,206,250	168,191	-	-	-	-	4,206,250	168,191
ROCKFISHES, FOR BAIT	1,330	183	2,863	395	-	-	4,193	578
SABLEFISH:								
FOOD.	2,229,413	402,461	180,262	36,052	-	-	2,409,675	438,513
LIVERS.	720	129	-	-	-	-	720	129
SALMON:								
FOOD.	7,645,685	3,635,182	951,719	301,168	1,839,079	635,800	10,436,483	4,572,150
BAIT.	320,978	5,097	51,535	6,999	-	-	372,513	12,096
VISCERA	75,000	750	-	-	-	-	75,000	750
TROUT:								
DOLLY VARDEN. .	5,987	1,018	-	-	-	-	5,987	1,018
STEELHEAD . . .	8,794	3,494	-	-	-	-	8,794	3,494

(CONTINUED ON NEXT PAGE)

PRODUCTS AS PREPARED FOR MARKET, 1960 - Continued

ITEM	SOUTHEASTERN ALASKA		CENTRAL ALASKA		WESTERN ALASKA		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FROZEN - CONTINUED								
CRABS:								
DUNGENESS:								
WHOLE.	149,034	$40,742	107,882	$34,450	-	-	256,916	$75,192
SECTIONS . . .	-	-	14,797	2,959	-	-	14,797	2,959
MEAT	72,320	72,320	100,310	119,288	-	-	172,630	191,608
COLD PACK. . .	265,004	274,801	-	-	-	-	265,004	274,801
LEGS	-	-	3,260	1,481	-	-	3,260	1,481
KING:								
WHOLE.	-	-	861,991	430,875	12,000	$6,000	873,991	436,875
SECTIONS . . .	-	-	585,999	268,545	-	-	585,999	268,545
MEAT	-	-	1,466,747	1,501,146	126,000	126,000	1,592,747	1,627,146
SHRIMP:								
WHOLE.	18,050	6,654	-	-	-	-	18,050	6,654
MEAT	-	-	15,449	15,449	-	-	15,449	15,449
COLD PACK MEAT .	355,902	327,762	-	-	-	-	355,902	327,762
COLD PACK TAILS.	360	360	566	1,023	-	-	926	1,383
TOTAL FROZEN.	31,905,027	7,806,628	10,834,746	3,588,334	1,977,079	767,800	44,716,852	12,162,762
CURED								
SABLEFISH:								
MILD-CURED . . .	9,075	3,176	-	-	-	-	9,075	3,176
SMOKED	896	549	-	-	-	-	896	549
SALMON:								
MILD-CURED . . .	1,721,652	1,559,728	-	-	315,322	263,229	2,036,974	1,822,957
PICKLED.	-	-	1,000	375	138,330	94,305	139,330	94,680
SMOKED OR KIPPERED. . . .	1,449	2,098	188	283	550	495	2,187	2,876
EGGS, SALTED . .	164,106	32,821	53,650	16,095	-	-	217,756	48,916
TROUT, DOLLY VARDEN, SMOKED . . .	73	55	-	-	-	-	73	55
TOTAL CURED .	1,897,251	1,598,427	54,838	16,753	454,202	358,029	2,406,291	1,973,209
CANNED								
SALMON:								
CHINOOK OR KING.	48,912	40,130	598,944	432,822	1,612,128	1,157,243	2,259,984	1,630,195
CHUM OR KETA . .	5,420,352	2,469,053	17,368,896	8,129,778	5,164,368	2,288,052	27,953,616	12,886,883
PINK	6,719,904	3,510,255	25,390,464	13,298,107	612,576	312,284	32,722,944	17,120,646
RED OR SOCKEYE .	2,144,832	1,798,864	11,914,416	9,835,065	42,793,968	30,943,202	56,853,216	42,577,131
SILVER OR COHO .	920,016	632,508	2,561,760	1,608,552	152,784	97,151	3,634,560	2,338,211
TOTAL	15,254,016	8,450,810	57,834,480	33,304,324	50,335,824	34,797,932	123,424,320	76,553,066
CLAMS, RAZOR AND COCKLE:								
WHOLE.	-	-	1,170	1,611	-	-	1,170	1,611
MINCED	-	-	343,365	457,684	-	-	343,365	457,684
CRABS:								
DUNGENESS. . . .	166,433	220,961	267,695	340,777	-	-	434,128	561,738
KING	-	-	1,952,048	2,950,105	-	-	1,952,048	2,950,105
SHRIMP	199,395	206,802	569,334	570,567	-	-	768,729	777,369
TOTAL CANNED.	15,619,844	8,878,573	60,968,092	37,625,068	50,335,824	34,797,932	126,923,760	81,301,573
BYPRODUCTS								
MEAL:								
FUR SEAL	-	-	-	-	332,000	8,520	332,000	8,520
HERRING.	12,206,000	591,100	-	-	-	-	12,206,000	591,100
SHRIMP	18,450	92	-	-	-	-	18,450	92
OIL:								
FUR SEAL	-	-	-	-	167,250	5,631	167,250	5,631
HERRING.	10,389,135	623,348	-	-	-	-	10,389,135	623,348
TOTAL BYPRODUCTS . .	22,613,585	1,214,540	-	-	499,250	14,151	23,112,835	1,228,691
GRAND TOTAL .	72,066,738	19,508,189	71,887,074	41,241,901	53,269,022	35,938,552	197,222,834	96,688,642

PACIFIC COAST FISHERIES

SOUTHEASTERN REGION OF ALASKA
OPERATING UNITS BY GEAR, 1960

ITEM	PURSE SEINES 1/		BEAM TRAWLS, SHRIMP	POUND NETS, HERRING	FLOATING TRAPS	POTS, CRAB
	HERRING	SALMON				DUNGENESS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	197	2,934	46	-	-	27
ON BOATS AND SHORE. . .	-	100	-	2	22	8
TOTAL	197	3,034	46	2	22	35
VESSELS, MOTOR.	27	492	21	-	-	14
GROSS TONNAGE	2,305	14,979	636	-	-	252
BOATS, MOTOR.	-	20	-	-	-	4
ACCESSORY BOATS	27	512	-	-	-	-
GEAR:						
NUMBER.	27	512	21	2	11	3,416
LENGTH, YARDS	13,760	248,346	-	-	-	-
YARDS AT MOUTH.	-	-	236	-	-	-

ITEM	POTS, CRAB-CONTINUED	GILL NETS, SALMON		LINES		TOTAL, EXCLUSIVE OF DUPLICATION
	KING	DRIFT	SET	LONG OR SET AND HAND	TROLL, SALMON	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	3	179	-	1,052	813	4,428
ON BOATS AND SHORE. . .	-	403	167	93	922	1,605
TOTAL	3	582	167	1,145	1,735	6,033
VESSELS, MOTOR.	1	156	-	238	706	1,397
GROSS TONNAGE	85	1,777	-	7,100	9,990	29,432
BOATS, MOTOR.	-	350	167	62	802	1,253
ACCESSORY BOATS	-	-	-	-	-	539
GEAR:						
NUMBER.	30	506	167	7,410	6,032	-
LENGTH, YARDS	-	218,282	23,068	-	-	-
SQUARE YARDS.	-	1,527,974	89,186	-	-	-
HOOKS	-	-	-	607,620	24,128	-

1/ INCLUDES HAUL SEINES.

SOUTHEASTERN REGION OF ALASKA - CATCH BY GEAR, 1960

SPECIES	PURSE SEINES 1/		BEAM TRAWLS		POUND NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HERRING	77,786,990	$832,160	-	-	25,850	$517
SALMON:						
CHINOOK OR KING	107,660	16,046	-	-	-	-
CHUM OR KETA.	7,788,096	614,369	-	-	-	-
PINK.	9,561,949	1,223,508	-	-	-	-
RED OR SOCKEYE.	2,044,406	521,590	-	-	-	-
SILVER OR COHO.	1,011,191	126,441	-	-	-	-
TOTAL SALMON. . . .	20,513,302	2,501,954	-	-	-	-
TROUT, DOLLY VARDEN . . .	6,202	992	-	-	-	-
SHRIMP.	-	-	3,343,373	$133,735	-	-
TOTAL	98,306,494	3,335,106	3,343,373	133,735	25,850	517

SPECIES	FLOATING TRAPS		POTS		GILL NETS	
					DRIFT	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SALMON:						
CHINOOK OR KING	806	$113	-	-	325,091	$82,937
CHUM OR KETA.	141,957	11,388	-	-	2,107,451	313,330
PINK.	532,400	69,742	-	-	222,862	25,232
RED OR SOCKEYE.	73,563	18,741	-	-	816,579	212,372
SILVER OR COHO.	28,367	3,537	-	-	474,753	140,628
TOTAL SALMON. . . .	777,093	103,521	-	-	3,946,736	774,499

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SOUTHEASTERN REGION OF ALASKA
CATCH BY GEAR, 1960 - Continued

SPECIES	FLOATING TRAPS		POTS		GILL NETS	
					DRIFT	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
TROUT, STEELHEAD.	-	-	-	-	15,659	$2,662
CRABS:						
DUNGENESS	-	-	1,993,167	$159,453	-	-
KING.	-	-	3,424	810	-	-
TOTAL	777,093	$103,521	1,996,591	160,263	3,962,395	777,161

SPECIES	GILL NETS - CONTINUED		LINES			
	SET		LONG OR SET AND HAND		TROLL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS	-	-	2,027	$162	-	-
HALIBUT	-	-	22,495,620	2,511,632	-	-
LINGCOD	-	-	1,569	78	-	-
ROCKFISHES.	-	-	1,583	79	-	-
SABLEFISH	-	-	2,932,774	288,385	-	-
SALMON:						
CHINOOK OR KING	16,119	$4,185	-	-	4,590,098	$1,608,657
CHUM OR KETA.	152,874	22,368	-	-	25,888	1,941
PINK.	45,389	5,957	-	-	92,781	7,876
RED OR SOCKEYE.	295,590	76,750	-	-	4,899	1,008
SILVER OR COHO.	854,840	190,507	-	-	2,922,944	1,010,111
TOTAL SALMON. . . .	1,364,812	299,767	-	-	7,636,610	2,629,593
TOTAL	1,364,812	299,767	25,433,573	2,800,336	7,636,610	2,629,593

1/ INCLUDES HAUL SEINES.

CENTRAL REGION OF ALASKA - OPERATING UNITS BY GEAR, 1960

ITEM	PURSE SEINES 1/		OTTER TRAWLS		POTS		
					CRAB		
	HERRING	SALMON	KING CRAB	SHRIMP	DUNGENESS	KING	SHRIMP
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS.	5	2,098	58	20	38	478	-
ON BOATS AND SHORE. . .	-	1,580	-	-	55	94	2
TOTAL	5	3,678	58	20	93	572	2
VESSELS, MOTOR.	1	502	20	6	20	198	-
GROSS TONNAGE	11	7,380	748	244	333	5,125	-
BOATS, MOTOR.	-	395	-	-	29	47	1
ACCESSORY BOATS	1	897	-	-	-	-	-
GEAR:							
NUMBER.	1	897	20	6	6,800	8,275	30
LENGTH, YARDS	400	300,280	-	-	-	-	-
YARDS AT MOUTH.	-	-	380	142	-	-	-

ITEM	GILL NETS, SALMON		LINES		DIP NETS	SHOVELS, CLAM	TOTAL, EXCLUSIVE OF DUPLI-CATION
	DRIFT	SET	LONG OR SET AND HAND	TROLL, SALMON			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS.	261	53	348	10	-	-	2,787
ON BOATS AND SHORE. . .	713	730	18	2	1	434	2,724
TOTAL	974	783	366	12	1	434	5,511
VESSELS, MOTOR.	185	46	65	6	-	-	717
GROSS TONNAGE	1,966	784	2,897	101	-	-	14,241
BOATS, MOTOR.	620	730	12	2	-	-	1,663
ACCESSORY BOATS	-	-	-	-	-	-	898
GEAR:							
NUMBER.	805	776	2,538	32	1	434	-
LENGTH, YARDS	240,112	176,078	-	-	-	-	-
SQUARE YARDS.	1,049,169	642,738	-	-	-	-	-
HOOKS	-	-	208,116	128	-	-	-

1/ INCLUDES HAUL SEINES.

CENTRAL REGION OF ALASKA - CATCH BY GEAR, 1960

SPECIES	PURSE SEINES 1/		OTTER TRAWLS		POTS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS	-	-	648	$52	-	-
HERRING	99,925	$1,998	-	-	-	-
ROCKFISHES	-	-	3,409	170	-	-
SALMON:						
CHINOOK OR KING	52,266	10,690	-	-	-	-
CHUM OR KETA	19,505,597	1,539,151	-	-	-	-
PINK	32,577,469	4,295,684	-	-	-	-
RED OR SOCKEYE	6,596,566	1,340,453	-	-	-	-
SILVER OR COHO	558,598	76,047	-	-	-	-
TOTAL SALMON	59,290,496	7,262,025	-	-	-	-
CRABS:						
DUNGENESS	-	-	-	-	2,740,105	$219,208
KING	-	-	221,542	17,723	27,657,088	2,212,567
SHRIMP	-	-	4,090,340	163,614	2,494	100
TOTAL	59,390,421	7,264,023	4,315,939	181,559	30,399,687	2,431,875

SPECIES	GILL NETS				LINES	
	DRIFT		SET		LONG OR SET AND HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HALIBUT	-	-	-	-	5,908,000	$598,219
SABLEFISH	-	-	-	-	38,080	3,161
SALMON:						
CHINOOK OR KING	246,624	$57,302	506,149	$121,630	-	-
CHUM OR KETA	3,460,246	307,843	1,980,732	166,577	-	-
PINK	654,542	95,955	5,982,224	843,197	-	-
RED OR SOCKEYE	3,963,811	1,083,964	4,779,462	1,204,479	-	-
SILVER OR COHO	1,579,036	281,929	1,595,254	273,421	-	-
TOTAL SALMON	9,904,259	1,826,993	14,843,821	2,609,304	-	-
TOTAL	9,904,259	1,826,993	14,843,821	2,609,304	5,946,080	601,380

SPECIES	LINES - CONTINUED		DIP NETS		SHOVELS	
	TROLL					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SMELT	-	-	87	$26	-	-
SALMON:						
CHINOOK OR KING	30,754	$8,060	-	-	-	-
PINK	1,947	301	-	-	-	-
RED OR SOCKEYE	16	4	-	-	-	-
SILVER OR COHO	86,925	27,164	-	-	-	-
TOTAL SALMON	119,642	35,529	-	-	-	-
CLAMS:						
COCKLE 2/	-	-	-	-	20,675	$10,540
RAZOR 3/	-	-	-	-	533,522	165,138
TOTAL	119,642	35,529	87	26	554,197	175,678

1/ INCLUDES HAUL SEINES.

2/ BASED ON A YIELD OF 25.5 PERCENT MEATS.
3/ BASED ON A YIELD OF 42 PERCENT MEATS.

WESTERN REGION OF ALASKA - OPERATING UNITS BY GEAR, 1960

ITEM	PURSE SEINES 1/ SALMON	OTTER TRAWLS, CRAB	POTS, CRAB, KING	GILL NETS, SALMON		FISH WHEELS	TOTAL, EXCLUSIVE OF DUPLICATION
				DRIFT	SET		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	102	45	5	385	8	-	509
ON BOATS AND SHORE	152	-	-	1,924	733	3	2,792
TOTAL	254	45	5	2,309	741	3	3,301
VESSELS, MOTOR	23	15	2	193	4	-	221
GROSS TONNAGE	609	907	37	1,899	76	-	3,163
BOATS, MOTOR	38	-	-	993	733	-	1,622
ACCESSORY BOATS	61	-	-	-	-	-	61
GEAR:							
NUMBER	61	15	70	1,186	737	3	-
LENGTH, YARDS	23,220	-	-	348,330	113,018	-	-
SQUARE YARDS	-	-	-	1,099,026	523,690	-	-
YARDS AT MOUTH	-	342	-	-	-	-	-

1/ INCLUDES HAUL SEINES.

* * *

WESTERN REGION OF ALASKA - CATCH BY GEAR, 1960

SPECIES	PURSE SEINES 1/		OTTER TRAWLS		POTS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SALMON:						
CHINOOK OR KING	6,844	$2,030	-	-	-	-
CHUM OR KETA	4,044,095	269,629	-	-	-	-
PINK	1,569,314	156,746	-	-	-	-
RED OR SOCKEYE	1,107,771	199,676	-	-	-	-
SILVER OR COHO	4,537	616	-	-	-	-
TOTAL SALMON	6,732,561	628,697	-	-	-	-
CRAB, KING	-	-	591,081	$47,286	96,881	$7,750
TOTAL	6,732,561	628,697	591,081	47,286	96,881	7,750

SPECIES	GILL NETS				FISH WHEELS	
	DRIFT		SET			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SALMON:						
CHINOOK OR KING	1,595,253	$433,232	1,613,032	$210,335	21,570	$2,652
CHUM OR KETA	7,586,177	584,301	902,239	69,323	-	-
PINK	888,192	60,559	447,895	30,538	-	-
RED OR SOCKEYE	63,545,436	12,467,776	4,936,449	966,023	-	-
SILVER OR COHO	131,327	17,782	303,658	41,243	-	-
TOTAL SALMON	73,746,385	13,563,650	8,203,273	1,317,462	21,570	2,652
TOTAL	73,746,385	13,563,650	8,203,273	1,317,462	21,570	2,652

1/ INCLUDES HAUL SEINES.

NUMBER OF SALMON CAUGHT, BY REGIONS, 1960

SPECIES	SOUTHEASTERN ALASKA		CENTRAL ALASKA		WESTERN ALASKA		TOTAL	
	NUMBER	VALUE	NUMBER	VALUE	NUMBER	VALUE	NUMBER	VALUE
CHINOOK OR KING.	309,989	$1,711,938	41,440	$197,682	195,726	$648,249	547,155	$2,557,869
CHUM OR KETA . .	1,019,152	963,396	3,682,327	2,013,571	1,923,432	923,253	6,624,911	3,900,220
PINK	2,985,021	1,332,315	12,312,632	5,235,137	781,654	247,843	16,079,307	6,815,295
RED OR SOCKEYE .	588,288	830,461	2,834,584	3,628,900	14,411,087	13,633,475	17,833,959	18,092,836
SILVER OR COHO .	720,808	1,471,224	617,849	658,561	65,600	59,641	1,404,257	2,189,426
TOTAL. . .	5,623,258	6,309,334	19,488,832	11,733,851	17,377,499	15,512,461	42,489,589	33,555,646

NOTE:--THE SALMON CATCH IS REPORTED IN NUMBERS OF FISH; ESTIMATED ROUND WEIGHTS ARE SHOWN IN THE CATCH TABLES.

AVERAGE WEIGHT OF SALMON, BY REGIONS, 1960, 1959, AND 1958

SPECIES	1960			ALL REGIONS		
	SOUTHEASTERN	CENTRAL	WESTERN	1960	1959	1958
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
CHINOOK OR KING.	16.258	20.169	24.400	16.537	19.496	19.976
CHUM OR KETA	10.024	6.775	6.516	7.199	7.984	9.324
PINK	3.503	3.185	3.717	3.270	4.396	4.625
RED OR SOCKEYE	5.499	5.412	4.829	4.944	5.449	5.717
SILVER OR COHO	7.342	6.182	6.700	6.802	7.889	8.163

TRANSPORTING, WHOLESALING, AND MANUFACTURING, 1960

ITEM	SOUTHEASTERN ALASKA	CENTRAL ALASKA	WESTERN ALASKA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER
TRANSPORTING:				
PERSONS ENGAGED.	189	388	194	771
CRAFT TRANSPORTING:				
VESSELS, MOTOR	82	122	56	260
GROSS TONNAGE.	6,816	12,366	6,969	26,151
BOATS, MOTOR	10	9	26	45
LIGHTERS AND SCOWS . . .	37	88	34	159
BOATS USED OTHER THAN IN FISHING OR TRANSPORTING . .	26	135	97	258
SCOWS, PILEDRIVERS, SKIFFS, ETC.	19	4	-	23
WHOLESALE AND MANUFACTURING, PERSONS ENGAGED	2,190	2,831	2,927	7,938
ESTABLISHMENTS:				
HANDLING FRESH AND FROZEN FISH AND SHELLFISH . . .	20	19	6	44
CURING FISH.	14	3	13	30
CANNING FISH AND SHELLFISH	27	38	21	85
MANUFACTURING BYPRODUCTS .	4	-	1	5
TOTAL ESTABLISHMENTS (EXCLUSIVE OF DUPLICATION).	48	50	38	134

PRODUCTION OF CANNED PRODUCTS, 1960

(IN STANDARD CASES)

ITEM	SOUTHEASTERN ALASKA		CENTRAL ALASKA		WESTERN ALASKA		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
SALMON:								
CHINOOK OR KING.	912	$27,670	12,455	$430,452	33,586	$1,157,243	46,953	$1,615,365
CHUM OR KETA . .	112,924	2,469,053	361,820	8,127,857	107,591	2,288,052	582,335	12,884,962
PINK	139,998	3,510,255	528,968	13,298,107	12,762	312,284	681,728	17,120,646
RED OR SOCKEYE .	44,684	1,798,864	248,217	9,835,065	891,541	30,943,202	1,184,442	42,577,131
SILVER OR COHO .	19,165	632,380	53,350	1,607,317	3,183	97,151	75,698	2,336,848
TOTAL	317,683	8,438,222	1,204,810	33,298,798	1,048,663	34,797,932	2,571,156	76,534,952
SALMON, SMOKED:								
CHINOOK OR KING.	107	12,460	23	2,370	-	-	130	14,830
SILVER OR COHO .	2	128	20	1,235	-	-	22	1,363
CHUM OR KETA . .	-	-	32	1,921	-	-	32	1,921
TOTAL	109	12,588	75	5,526	-	-	184	18,114
SHELLFISH								
CLAMS, RAZOR AND COCKLE.	-	-	22,969	459,295	-	-	22,969	459,295
CRAB MEAT:								
DUNGENESS. . . .	8,535	220,961	13,728	340,777	-	-	22,263	561,738
KING	-	-	100,105	2,950,105	-	-	100,105	2,950,105
SHRIMP	13,293	206,802	37,956	570,567	-	-	51,249	777,369
GRAND TOTAL .	339,620	8,878,573	1,379,643	37,625,068	1,048,663	34,797,932	2,767,926	81,301,573

NOTE:--STANDARD CASES REPRESENT THE VARIOUS SIZE PACKS CONVERTED AS FOLLOWS: SALMON, 48 CANS, EACH CONTAINING 16 OUNCES; CLAMS, 48 CANS EACH CONTAINING 5 OUNCES OF MEATS (DRAINED WEIGHT); CRAB MEAT, 48 CANS EACH CONTAINING 6-1/2 OUNCES; AND SHRIMP, 48 CANS EACH CONTAINING 5 OUNCES OF MEAT (DRAINED WEIGHT).

PRODUCTION OF BYPRODUCTS, 1960

ITEM		SOUTHEASTERN ALASKA		WESTERN ALASKA		TOTAL	
		QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
MEAL:							
FUR SEAL	TONS	-	-	166	$8,520	166	$8,520
HERRING.	"	6,103	$591,100	-	-	6,103	591,100
SHRIMP	"	9	92	-	-	9	92
OIL:							
FUR SEAL	GALLONS	-	-	22,300	5,631	22,300	5,631
HERRING.	"	1,385,218	623,348	-	-	1,385,218	623,348
TOTAL. . . .	-	-	1,214,540	-	14,151	-	1,228,691

WASHINGTON

CATCH BY DISTRICTS, 1960

SPECIES	PUGET SOUND		COASTAL		COLUMBIA RIVER	
FISH	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CARP	-	-	-	-	325,200	$6,504
COD	5,093,900	$249,603	42,000	$2,100	-	-
FLOUNDERS:						
"SOLE"	15,040,300	1,042,145	184,800	13,581	-	-
OTHER	1,100,200	52,809	5,700	315	9,200	230
HAKE	127,400	689	-	-	-	-
HALIBUT	21,930,800	3,042,537	110,800	13,267	1,800	204
HERRING, SEA	4,104,100	115,356	-	-	-	-
LINGCOD	5,591,000	256,685	254,800	9,079	12,900	396
MACKEREL	-	-	1,000	54	-	-
OCEAN PERCH	6,038,900	301,947	23,600	1,132	-	-
PERCH	166,000	18,196	4,700	280	-	-
RATFISH	1,256,600	6,283	-	-	-	-
ROCKFISHES	5,309,800	262,440	647,000	26,783	72,400	2,027
SABLEFISH	5,462,800	629,877	23,100	1,781	-	-
SALMON:						
CHINOOK OR KING	2,064,700	795,880	1,229,500	559,282	1,341,600	472,198
CHUM OR KETA	1,338,800	323,627	750,600	144,138	6,000	897
PINK	10,300	2,333	400	79	-	-
RED OR SOCKEYE	6,608,900	2,134,792	156,200	74,059	105,200	35,732
SILVER OR COHO	1,363,900	522,578	1,116,700	429,648	434,900	166,777
TOTAL SALMON	11,386,600	3,779,210	3,253,400	1,207,206	1,887,700	675,604
SEA BASS, WHITE	-	-	500	328	-	-
SHAD	400	22	1,800	90	54,100	4,686
SHARKS:						
GRAYFISH	1,378,400	6,931	-	-	-	-
SOUPFIN	1,900	110	-	-	-	-
OTHER	2,200	11	-	-	-	-
TOTAL SHARKS	1,382,500	7,052	-	-	-	-
SKATES	480,500	2,883	-	-	-	-
SMELT:						
EULACHON	-	-	-	-	1,042,800	118,870
SURF OR SILVER	106,400	12,770	238,700	16,277	-	-
STEELHEAD TROUT	84,500	29,565	136,400	34,100	190,100	46,573
STURGEON	5,400	744	140,200	13,577	103,400	15,185
SUCKERS	-	-	-	-	16,400	278
TOMCOD	86,500	1,730	-	-	-	-
TUNA, ALBACORE	42,100	5,984	158,400	23,608	325,100	49,422
TOTAL FISH	84,796,700	9,818,527	5,226,900	1,363,558	4,041,100	919,979
SHELLFISH						
CRABS, DUNGENESS 1/	1,141,900	159,861	5,508,600	832,864	600,300	88,251
SHRIMP:						
BAY	24,300	11,656	-	-	-	-
OCEAN	-	-	1,780,700	150,212	-	-
CLAMS:						
HARD: 2/						
BUTTER	97,300	23,358	-	-	-	-
HORSE	3,500	154	-	-	-	-
LITTLE NECK	285,300	128,945	-	-	-	-
MANILA	117,400	52,140	20,600	8,213	-	-
RAZOR 3/	-	-	186,400	100,250	-	-
TOTAL CLAMS	503,500	204,597	207,000	108,463	-	-
OCTOPUS	32,700	3,951	100	7	-	-
OYSTERS, MARKET:						
PACIFIC 4/	3,710,300	742,050	5,496,100	1,052,797	-	-
WESTERN 5/	44,900	94,309	-	-	-	-
TOTAL OYSTERS	3,755,200	836,359	5,496,100	1,052,797	-	-
TOTAL SHELLFISH	5,457,600	1,216,424	12,992,500	2,144,343	600,300	88,251
GRAND TOTAL	90,254,300	11,034,951	18,219,400	3,507,901	4,641,400	1,008,230

1/ BASED ON AN AVERAGE YIELD OF 22 POUNDS PER DOZEN IN THE PUGET SOUND DISTRICT AND 24 POUNDS PER DOZEN IN THE COASTAL AND COLUMBIA RIVER DISTRICTS. 2/ BASED ON A YIELD OF 25 PERCENT MEATS. 3/ BASED ON A YIELD OF 42 PERCENTS MEATS. 4/ BASED ON A YIELD OF 10 PERCENT MEATS IN THE PUGET SOUND DISTRICT AND 12 PERCENT MEATS IN THE COASTAL DISTRICT. 5/ BASED ON A YIELD OF 18 PERCENT MEATS.

PUGET SOUND DISTRICT OF WASHINGTON - OPERATING UNITS, 1960

ITEM	HAUL SEINES 1/	PURSE SEINES		BEAM TRAWLS	OTTER TRAWLS, FISH	BRUSH WEIRS	POUND NETS 2/
		HERRING	SALMON				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	12	48	1,825	-	471	-	-
ON BOATS AND SHORE	233	-	8	2	-	6	12
TOTAL	245	48	1,833	2	471	6	12
VESSELS, MOTOR	4	7	260	-	121	-	-
GROSS TONNAGE	38	259	9,914	-	6,146	-	-
BOATS:							
MOTOR	67	-	2	1	-	1	3
OTHER	26	-	2	-	-	-	-
ACCESSORY BOATS	-	7	260	-	-	-	-
GEAR:							
NUMBER	97	7	262	1	121	1	3
LENGTH, YARDS	6,800	2,995	137,900	6	-	-	-
YARDS AT MOUTH	-	-	-	-	2,646	-	-

ITEM	POTS			GILL NETS		
	CRAB	OCTOPUS	SHRIMP	DRIFT, SALMON 3/	SET	
					SALMON 2/	SHARK
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	22	-	-	273	-	3
ON BOATS AND SHORE	97	4	6	755	89	11
TOTAL	119	4	6	1,028	89	14
VESSELS, MOTOR	11	-	-	208	-	3
GROSS TONNAGE	157	-	-	2,258	-	29
BOATS:						
MOTOR	68	2	5	670	50	10
OTHER	3	-	-	25	39	-
GEAR:						
NUMBER	5,650	65	175	903	89	13
SQUARE YARDS	-	-	-	4,821,500	22,250	14,050

ITEM	LINES				DIP NETS	REEF NETS
	HAND, ROCKFISHES	TROLL		LONG OR SET		
		SALMON	ALBACORE			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	6	593	34	770	16	-
ON BOATS AND SHORE	19	440	-	4	13	356
TOTAL	25	1,033	34	774	29	356
VESSELS, MOTOR	3	377	13	133	5	-
GROSS TONNAGE	34	5,649	596	6,134	52	-
BOATS:						
MOTOR	19	364	-	2	6	-
OTHER	-	-	-	-	-	178
GEAR:						
NUMBER	50	3,392	132	5,133	29	89
HOOKS	100	13,672	132	417,165	-	-

ITEM	DREDGES			SHOVELS	BY HAND, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	CLAM	OYSTER				
		COMMON	SUCTION			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	4	14	2	-	-	3,768
ON BOATS AND SHORE	-	10	-	197	180	2,342
TOTAL	4	24	2	197	180	6,110
VESSELS, MOTOR	2	5	1	-	-	1,026
GROSS TONNAGE	16	147	41	-	-	27,463
BOATS:						
MOTOR	-	3	-	-	40	1,236
OTHER	-	-	-	-	15	288
ACCESSORY BOATS	-	-	-	-	-	261
GEAR:						
NUMBER	2	16	1	197	-	-
YARDS AT MOUTH	2	32	-	-	-	-

1/ INCLUDES 33 HAUL SEINES OPERATED ON INDIAN RESERVATIONS.
2/ FISHED ONLY ON INDIAN RESERVATIONS.
3/ INCLUDES 91 GILL NETS OPERATED ON INDIAN RESERVATIONS.

PUGET SOUND DISTRICT OF WASHINGTON - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES 1/		PURSE SEINES		BEAM TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	-	-	500	$26	-	-
FLOUNDERS:						
"SOLE"	100	$4	-	-	-	-
OTHER	900	44	-	-	-	-
HERRING, SEA	223,800	45,078	3,673,700	33,431	-	-
LINGCOD	-	-	200	8	-	-
PERCH	155,100	16,983	-	-	-	-
ROCKFISHES	700	35	-	-	-	-
SALMON:						
CHINOOK OR KING	63,100	22,731	384,900	96,228	-	-
CHUM OR KETA	7,200	1,448	644,100	157,803	-	-
PINK	-	-	700	107	-	-
RED OR SOCKEYE	-	-	4,590,600	1,482,758	-	-
SILVER OR COHO	54,300	19,002	240,900	84,326	-	-
SHARKS, GRAYFISH 3/	3,300	17	-	-	-	-
SMELT, SURF OR SILVER	106,400	12,770	-	-	-	-
STEELHEAD TROUT	4,700	1,641	-	-	-	-
SHRIMP, BAY	-	-	-	-	5,700	$1,904
TOTAL	619,600	119,753	9,535,600	1,854,687	5,700	1,904

SPECIES	OTTER TRAWLS		BRUSH WEIRS		POUND NETS 2/	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	5,079,200	$248,880	-	-	-	-
FLOUNDERS:						
"SOLE"	15,040,100	1,042,129	-	-	-	-
OTHER	1,099,300	52,765	-	-	-	-
HAKE	127,400	689	-	-	-	-
HERRING, SEA	-	-	136,900	$22,900	-	-
LINGCOD	4,657,500	220,639	-	-	-	-
OCEAN PERCH	6,038,900	301,947	-	-	-	-
PERCH	10,900	1,213	-	-	-	-
RATFISH	1,256,600	6,283	-	-	-	-
ROCKFISHES	5,117,300	255,863	-	-	-	-
SABLEFISH	1,193,400	75,549	-	-	-	-
SALMON:						
CHINOOK OR KING	-	-	-	-	85,800	$30,906
CHUM OR KETA	-	-	-	-	1,100	245
RED OR SOCKEYE	-	-	-	-	2,200	726
SILVER OR COHO	-	-	-	-	62,700	21,928
SHAD	400	22	-	-	-	-
SHARKS: 3/						
GRAYFISH	1,271,300	6,379	-	-	-	-
SOUPFIN	600	37	-	-	-	-
UNCLASSIFIED	1,600	8	-	-	-	-
SKATES	480,500	2,883	-	-	-	-
STURGEON	5,300	725				
TOMCOD	86,500	1,730	-	-	-	-
OCTOPUS	7,300	728	-	-	-	-
TOTAL	41,474,100	2,218,469	136,900	22,900	151,800	53,805

SPECIES	POTS		GILL NETS					
			DRIFT		SET			
					SALMON 2/		SHARK	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	-	-	-	-	-	-	13,500	$664
LINGCOD	-	-	1,000	$49	-	-	6,700	356
ROCKFISHES	-	-	-	-	-	-	3,100	156
SALMON:								
CHINOOK OR KING	-	-	588,800	217,862	120,000	$43,215	-	-
CHUM OR KETA	-	-	442,800	115,119	237,100	47,425	-	-
PINK	-	-	700	105	-	-	-	-
RED OR SOCKEYE	-	-	1,485,000	479,655	-	-	-	-
SILVER OR COHO	-	-	300,100	117,027	159,000	55,646	-	-
SHARKS: 3/								
GRAYFISH	-	-	7,400	37	-	-	91,300	471
UNCLASSIFIED	-	-	600	3	-	-	-	-
STEELHEAD TROUT	-	-	16,300	5,703	63,500	22,221	-	-
STURGEON	-	-	100	19	-	-	-	-
CRABS, DUNGENESS 4/	1,141,900	$159,861	-	-	-	-	-	-
SHRIMP, BAY	18,600	9,752	-	-	-	-	-	-
OCTOPUS	25,200	3,203	-	-	-	-	-	-
TOTAL	1,185,700	172,816	2,842,800	935,579	579,600	168,507	114,600	1,647

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PUGET SOUND DISTRICT OF WASHINGTON
CATCH BY GEAR, 1960 - Continued

SPECIES	LINES					
	HAND		TROLL		LONG OR SET	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	100	$6	600	$27	-	-
FLOUNDERS, "SOLE"	-	-	-	-	100	$12
HALIBUT	46,400	5,587	469,100	54,673	21,415,300	2,982,277
LINGCOD	42,600	2,693	797,800	29,781	85,200	3,159
ROCKFISHES	10,000	351	49,500	1,517	129,200	4,518
SABLEFISH	-	-	-	-	4,269,400	554,328
SALMON:						
CHINOOK OR KING	-	-	784,700	375,590	-	-
CHUM OR KETA	-	-	700	157	-	-
PINK	-	-	8,800	2,111	-	-
RED OR SOCKEYE	-	-	6,300	2,156	-	-
SILVER OR COHO	-	-	515,200	213,551	-	-
SHARKS: 3/						
GRAYFISH	-	-	-	-	5,100	27
SOUPFIN	-	-	-	-	1,300	73
TUNA, ALBACORE	-	-	42,100	5,984	-	-
OCTOPUS	-	-	100	10	100	10
TOTAL	99,100	8,637	2,674,900	685,557	25,905,700	3,544,404

SPECIES	DIP NETS		REEF NETS	
	POUNDS	VALUE	POUNDS	VALUE
HERRING, SEA	69,700	$13,947	-	-
SALMON:				
CHINOOK OR KING	-	-	37,400	$9,348
CHUM OR KETA	-	-	5,800	1,430
PINK	-	-	100	10
RED OR SOCKEYE	-	-	524,800	169,497
SILVER OR COHO	-	-	31,700	11,098
TOTAL	69,700	13,947	599,800	191,383

SPECIES	DREDGES AND BY HAND		SHOVELS	
	POUNDS	VALUE	POUNDS	VALUE
CLAMS, HARD: 5/				
BUTTER	39,100	$9,395	58,200	$13,963
HORSE	3,200	142	300	12
LITTLE NECK	40,900	18,473	244,400	110,472
MANILA	-	-	117,400	52,140
OYSTERS, MARKET: 6/				
PACIFIC	3,710,300	742,050	-	-
WESTERN	44,900	94,309	-	-
TOTAL	3,838,400	864,369	420,300	176,587

1/ THE SALMON CAUGHT BY HAUL SEINES WERE TAKEN ON INDIAN RESERVATIONS.

2/ FISHED ONLY ON INDIAN RESERVATIONS.

3/ THE POUNDAGE SHOWN INCLUDES THE TOTAL VOLUME OF SHARKS CAUGHT. SOME OF THE CARCASSES WERE DISCARDED AT SEA.

4/ BASED ON AN AVERAGE OF 22 POUNDS PER DOZEN.

5/ BASED ON A YIELD OF 25 PERCENT MEATS.

6/ BASED ON A YIELD OF 10 PERCENT MEATS FOR PACIFIC OYSTERS AND 18 PERCENT FOR WESTERN OR NATIVE OYSTERS.

NOTE:--THE POUNDAGE AND VALUE OF THE CATCH SHOWN ABOVE INCLUDE THE FOLLOWING ITEMS: HALIBUT LIVERS, 15,784 POUNDS, VALUE $3,315; LINGCOD LIVERS, 14,788 POUNDS, VALUE $1,922; SABLEFISH LIVERS, 16,581 POUNDS, VALUE $1,990; GRAYFISH LIVERS, 12,513 POUNDS, VALUE $538; AND SOUPFIN SHARK LIVERS, 231 POUNDS, VALUE $110. (NO VISCERA WERE LANDED.)

* * *

COASTAL DISTRICT OF WASHINGTON - OPERATING UNITS, 1960

ITEM	HAUL SEINES 1/	OTTER TRAWLS		POTS, CRAB
		FISH	SHRIMP	
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	-	31	33	148
ON BOATS AND SHORE	40	-	-	49
TOTAL	40	31	33	197
VESSELS, MOTOR	-	9	10	61
GROSS TONNAGE	-	481	423	1,266
BOATS:				
MOTOR	13	-	-	26
OTHER	3	-	-	-
GEAR:				
NUMBER	13	9	10	18,635
LENGTH, YARDS	1,300	-	-	-
YARDS AT MOUTH	-	201	190	-

ITEM	GILL NETS		LINES, TROLL	
	DRIFT	SET 1/	SALMON	ALBACORE
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	20	-	518	142
ON BOATS AND SHORE	290	198	190	-
TOTAL	310	198	708	142
VESSELS, MOTOR	13	-	311	71
GROSS TONNAGE	147	-	4,517	1,489
BOATS:				
MOTOR	266	168	156	-
OTHER	12	25	-	-
GEAR:				
NUMBER	291	193	2,334	634
SQUARE YARDS	588,900	43,500	-	-
HOOKS	-	-	9,700	634

ITEM	DIP NETS 2/	DREDGES	
		CLAM	OYSTER, COMMON
	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS	-	-	71
ON BOATS AND SHORE	48	2	14
TOTAL	48	2	85
VESSELS, MOTOR	-	-	25
GROSS TONNAGE	-	-	491
BOATS:			
MOTOR	20	1	7
OTHER	5	-	-
GEAR:			
NUMBER	48	1	64
YARDS AT MOUTH	-	1	128

ITEM	SHOVELS, CLAM	BY HAND, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS	-	-	766
ON BOATS AND SHORE	1,293	170	2,260
TOTAL	1,293	170	3,026
VESSELS, MOTOR	-	-	409
GROSS TONNAGE	-	-	6,887
BOATS:			
MOTOR	-	42	680
OTHER	-	65	110
GEAR,			
NUMBER	1,293	-	-

1/ OPERATED ON INDIAN RESERVATIONS.

2/ INCLUDES 46 DIP NETS OPERATED ON INDIAN RESERVATIONS.

COASTAL DISTRICT OF WASHINGTON - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES 1/		OTTER TRAWLS		POTS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	-	-	42,000	$2,100	-	-
FLOUNDERS:						
"SOLE"	-	-	184,800	13,581	-	-
OTHER	-	-	5,500	303	-	-
LINGCOD	-	-	87,500	3,624	-	-
OCEAN PERCH	-	-	23,600	1,132	-	-
PERCH	2,300	$137	-	-	-	-
ROCKFISHES	-	-	460,800	21,197	-	-
SABLEFISH	-	-	23,100	1,781	-	-
SMELT, SURF OR SILVER	137,600	9,494	-	-	-	-
CRABS, DUNGENESS 2/	-	-	-	-	5,508,600	$832,864
SHRIMP, OCEAN	-	-	1,780,700	150,212	-	-
OCTOPUS	-	-	100	7	-	-
TOTAL	139,900	9,631	2,608,100	193,937	5,508,600	832,864

SPECIES	GILL NETS				LINES, TROLL	
	DRIFT		SET 1/			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS, OTHER	-	-	200	$12	-	-
HALIBUT	-	-	-	-	110,800	$13,267
LINGCOD	-	-	-	-	167,300	5,455
MACKEREL	1,000	$54	-	-	-	-
PERCH	-	-	-	-	2,300	137
ROCKFISHES	-	-	-	-	186,200	5,586
SALMON:						
CHINOOK OR KING	206,300	76,959	209,400	85,869	813,800	396,454
CHUM OR KETA	673,200	130,206	77,200	13,895	200	37
PINK	-	-	-	-	400	79
RED OR SOCKEYE	-	-	155,300	73,753	900	306
SILVER OR COHO	237,200	84,444	299,900	104,951	579,600	240,253
SEA BASS, WHITE	500	328	-	-	-	-
SHAD	-	-	1,800	90	-	-
STEELHEAD TROUT	-	-	136,400	34,100	-	-
STURGEON	140,200	13,577	-	-	-	-
TUNA, ALBACORE	-	-	-	-	158,400	23,608
TOTAL	1,258,400	305,568	880,200	312,670	2,019,900	685,182

SPECIES	DIP NETS		DREDGES AND BY HAND		SHOVELS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
PERCH	100	$6	-	-	-	-
SMELT, SURF OR SILVER	101,100	6,783	-	-	-	-
CLAMS:						
MANILA 3/	-	-	900	$341	19,700	$7,872
RAZOR 4/	-	-	-	-	186,400	100,250
OYSTERS, MARKET, PACIFIC 5/	-	-	5,496,100	1,052,797	-	-
TOTAL	101,200	6,789	5,497,000	1,053,138	206,100	108,122

1/ FISHED ONLY ON INDIAN RESERVATIONS.

2/ BASED ON AN AVERAGE OF 24 POUNDS PER DOZEN.

3/ BASED ON A YIELD OF 25 PERCENT MEATS.

4/ BASED ON A YIELD OF 42 PERCENT EDIBLE MEATS.

5/ BASED ON A YIELD OF 12 PERCENT MEATS.

NOTE:--A TOTAL OF 935 POUNDS OF LINGCOD LIVERS VALUED AT $122 IS INCLUDED IN THE ABOVE CATCH AND VALUE.

COLUMBIA RIVER DISTRICT OF WASHINGTON - OPERATING UNITS, 1960

ITEM	HAUL SEINES	POUND NETS 1/	POTS, CRAB	GILL NETS	
				DRIFT	
				SALMON	SMELT
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	-	39	-	-
ON BOATS AND SHORE	10	8	4	196	5
TOTAL	10	8	43	196	5
VESSELS, MOTOR	-	-	16	-	-
GROSS TONNAGE	-	-	246	-	-
BOATS, MOTOR	5	2	2	184	5
GEAR:					
NUMBER	5	2	2,950	184	5
LENGTH, YARDS	500	-	-	-	-
SQUARE YARDS	-	-	-	561,200	4,500

ITEM	GILL NETS-CONTINUED	LINES, TROLL		DIP NETS 3/	TOTAL, EXCLUSIVE OF DUPLICATION
	SET 2/	SALMON	ALBACORE		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	104	67	-	151
ON BOATS AND SHORE	16	138	2	179	508
TOTAL	16	242	69	179	659
VESSELS, MOTOR	-	64	35	-	84
GROSS TONNAGE	-	772	566	-	1,116
BOATS:					
MOTOR	12	115	2	34	316
OTHER	2	-	-	-	2
GEAR:					
NUMBER	14	792	319	179	-
SQUARE YARDS	3,150	-	-	-	-
HOOKS	-	3,054	319	-	-

1/ OPERATED BY FEDERAL FISH HATCHERY.
2/ OPERATED ON INDIAN RESERVATIONS.
3/ INCLUDES 78 DIP NETS OPERATED BY INDIANS.

COLUMBIA RIVER DISTRICT OF WASHINGTON - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		POUND NETS 1/		POTS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CARP	325,200	$6,504	-	-	-	-
SALMON:						
CHINOOK OR KING	-	-	10,500	$1,050	-	-
SILVER OR COHO	-	-	100	10	-	-
SUCKERS	16,400	278	-	-	-	-
CRABS, DUNGENESS 3/	-	-	-	-	600,300	$88,251
TOTAL	341,600	6,782	10,600	1,060	600,300	88,251

SPECIES	GILL NETS				LINES, TROLL		DIP NETS	
	DRIFT		SET 2/					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS	9,200	$230	-	-	-	-	-	-
HALIBUT	-	-	-	-	1,800	$204	-	-
LINGCOD	-	-	-	-	12,900	396	-	-
ROCKFISHES	-	-	-	-	72,400	2,027	-	-
SALMON:								
CHINOOK OR KING	1,153,700	398,014	600	$165	106,500	51,873	70,300	$21,096
CHUM OR KETA	6,000	897	-	-	-	-	-	-
RED OR SOCKEYE	101,400	34,460	2,100	712	-	-	1,700	560
SILVER OR COHO	32,300	10,345	-	-	401,200	156,032	1,300	390
SHAD	54,100	4,686	-	-	-	-	-	-
SMELT, EULACHON	56,300	6,582	-	-	-	-	986,500	112,288
STEELHEAD TROUT	186,200	45,621	400	88	-	-	3,500	864
STURGEON	103,400	15,185	-	-	-	-	-	-
TUNA, ALBACORE	-	-	-	-	325,100	49,422	-	-
TOTAL	1,702,600	516,020	3,100	965	919,900	259,954	1,063,300	135,198

1/ OPERATED BY FEDERAL FISH HATCHERY. CATCH REPRESENTS SPAWNED SALMON. 2/ FISHED ONLY ON INDIAN RESERVATIONS.
3/ BASED ON AN AVERAGE OF 24 POUNDS PER DOZEN.

PACIFIC COAST FISHERIES

OREGON

CATCH BY DISTRICTS, 1960

SPECIES	COLUMBIA RIVER		COASTAL	
FISH	POUNDS	VALUE	POUNDS	VALUE
COD	236,000	$10,621	-	-
FLOUNDERS:				
"SOLE"	8,153,100	522,575	5,370,700	$302,386
OTHER	320,500	11,614	59,800	2,393
HAKE	470,300	3,527	69,600	522
HALIBUT	214,000	30,648	266,200	34,522
HERRING, SEA	-	-	1,800	175
LINGCOD	492,400	22,129	267,100	9,995
OCEAN PERCH	1,701,500	76,568	1,077,300	43,090
ROCKFISHES	3,795,100	164,560	3,742,900	136,257
SABLEFISH	116,800	10,207	332,000	32,767
SALMON:				
CHINOOK OR KING	2,862,100	1,005,176	1,450,300	690,913
CHUM OR KETA	9,300	1,119	12,000	1,377
RED OR SOCKEYE	291,400	96,174	-	-
SILVER OR COHO	360,800	134,214	611,900	244,384
TOTAL SALMON	3,523,600	1,236,683	2,074,200	936,674
SHAD	116,100	9,288	283,900	19,870
SHARKS:				
GRAYFISH	47,600	595	-	-
SOUPFIN	2,900	121	-	-
SMELT:				
EULACHON	127,000	14,860	-	-
SILVER	-	-	5,200	515
STEELHEAD TROUT	535,500	133,323	4,400	1,077
STRIPED BASS	-	-	28,700	2,867
STURGEON	156,800	22,850	1,500	90
TUNA, ALBACORE	4,052,200	607,835	510,400	75,024
TOTAL FISH	24,061,400	2,878,004	14,095,700	1,598,224
SHELLFISH				
CRABS, DUNGENESS 1/	2,723,100	403,022	6,573,600	953,175
CRAWFISH, FRESH-WATER	28,800	8,240	-	-
SHRIMP, OCEAN	690,300	62,124	458,500	38,975
CLAMS:				
RAZOR 2/	-	-	20,300	9,651
MIXED 3/	-	-	13,800	5,242
TOTAL CLAMS	-	-	34,100	14,893
OCTOPUS	-	-	500	41
OYSTERS, MARKET, PACIFIC 4/	-	-	493,900	98,786
TOTAL SHELLFISH	3,442,200	473,386	7,560,600	1,105,870
GRAND TOTAL	27,503,600	3,351,390	21,656,300	2,704,094

1/ BASED ON AN AVERAGE OF 25 POUNDS PER DOZEN.

2/ BASED ON A YIELD OF 42 PERCENT MEATS.

3/ PRINCIPALLY EASTERN SOFT CLAMS. BASED ON A YIELD OF 21 PERCENT MEATS.

4/ BASED ON A YIELD OF 12 PERCENT MEATS.

COLUMBIA RIVER DISTRICT OF OREGON - OPERATING UNITS, 1960

ITEM	OTTER TRAWLS		POTS		GILL NETS, DRIFT	
	FISH	SHRIMP	CRAB	CRAWFISH	SALMON	SMELT
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	116	18	79	-	-	-
ON BOATS AND SHORE. .	-	-	20	17	663	70
TOTAL.	116	18	99	17	663	70
VESSELS, MOTOR.	32	5	34	-	-	-
GROSS TONNAGE	1,725	326	527	-	-	-
BOATS:						
MOTOR	-	-	12	13	603	70
OTHER	-	-	-	2	-	-
GEAR:						
NUMBER.	32	5	8,000	680	603	70
SQUARE YARDS.	-	-	-	-	1,839,000	63,000
YARDS AT MOUTH. . . .	720	96	-	-	-	-

ITEM	LINES				DIP NETS 1/	TOTAL, EXCLUSIVE OF DUPLICATION
	TROLL		LONG OR SET			
	SALMON	ALBACORE	HALIBUT	STURGEON		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	87	509	10	-	-	692
ON BOATS AND SHORE. .	46	17	-	9	23	781
TOTAL.	133	526	10	9	23	1,473
VESSELS, MOTOR.	50	220	3	-	-	292
GROSS TONNAGE	780	6,569	73	-	-	8,754
BOATS:						
MOTOR	38	12	-	8	-	674
OTHER	-	-	-	1	-	3
GEAR:						
NUMBER.	424	2,190	60	10	23	-
HOOKS	1,850	2,190	5,700	1,000	-	-

1/ INCLUDES 20 DIP NETS OPERATED BY INDIANS.

COLUMBIA RIVER DISTRICT OF OREGON - CATCH BY GEAR, 1960

SPECIES	OTTER TRAWLS		POTS		GILL NETS, DRIFT	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	236,000	$10,621	-	-	-	-
FLOUNDERS:						
"SOLE".	8,153,100	522,575	-	-	-	-
OTHER	180,100	8,105	-	-	140,400	$3,509
HAKE.	470,300	3,527	-	-	-	-
LINGCOD	489,000	22,006	-	-	-	-
OCEAN PERCH	1,701,500	76,568	-	-	-	-
ROCKFISHES.	3,790,300	164,375	-	-	800	31
SABLEFISH	110,600	9,512	-	-	-	-
SALMON:						
CHINOOK OR KING	-	-	-	-	2,745,800	952,789
CHUM OR KETA.	-	-	-	-	9,300	1,119
RED OR SOCKEYE.	-	-	-	-	290,800	95,976
SILVER OR COHO.	-	-	-	-	126,200	40,380
SHAD.	-	-	-	-	106,700	8,538
SHARK:						
GRAYFISH.	47,600	595	-	-	-	-
SOUPFIN	2,900	121	-	-	-	-
SMELT, EULACHON	-	-	-	-	127,000	14,860
STEELHEAD TROUT	-	-	-	-	529,100	131,738
STURGEON.	4,700	371	-	-	135,600	19,330
CRABS, DUNGENESS.	-	-	2,723,100	$403,022	-	-
CRAWFISH, FRESH-WATER . . .	-	-	28,800	8,240	-	-
SHRIMP, OCEAN	690,300	62,124	-	-	-	-
TOTAL.	15,876,400	880,500	2,751,900	411,262	4,211,700	1,268,270

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

COLUMBIA RIVER DISTRICT OF OREGON
CATCH BY GEAR, 1960 - Continued

SPECIES	LINES				DIP NETS	
	TROLL		LONG OR SET			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HALIBUT	2,300	$261	211,700	$30,387	-	-
LINGCOD	3,300	118	100	5	-	-
ROCKFISHES	2,400	97	1,600	57	-	-
SABLEFISH	-	-	6,200	695	-	-
SALMON:						
CHINOOK OR KING	94,700	45,475	-	-	21,600	$6,912
RED OR SOCKEYE	-	-	-	-	600	198
SILVER OR COHO	234,300	93,734	-	-	300	100
SHAD	-	-	-	-	9,400	750
STEELHEAD TROUT	2,700	663	-	-	3,700	922
STURGEON	-	-	12,900	2,457	3,600	692
TUNA, ALBACORE	4,052,200	607,835	-	-	-	-
TOTAL	4,391,900	748,183	232,500	33,601	39,200	9,574

NOTE:--THE FOLLOWING SPECIES LANDED IN THE COLUMBIA RIVER DISTRICT WERE CAUGHT OFF THE COAST: COD, "SOLE", HALIBUT, HAKE, LINGCOD, OCEAN PERCH, ROCKFISHES, SALBLEFISH, SHARKS, TUNA, CRABS, SHRIMP. THE OTTER TRAWL CATCH OF FLOUNDERS AND STURGEON, AND THE TROLL CATCH OF SALMON.

A TOTAL OF 1,738 POUNDS OF HALIBUT LIVERS VALUED AT $522 AND 348 POUNDS OF SOUPFIN SHARK LIVERS VALUED AT $121 IS INCLUDED IN THE ABOVE CATCH AND VALUE.

COASTAL DISTRICT OF OREGON - OPERATING UNITS, 1960

ITEM	HAUL SEINES	OTTER TRAWLS		POTS, CRAB	GILL NETS, SALMON	
		FISH	SHRIMP		DRIFT	SET
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	81	25	209	-	-
ON BOATS AND SHORE	6	-	2	78	55	48
TOTAL	6	81	27	287	55	48
VESSELS, MOTOR	-	26	8	90	-	-
GROSS TONNAGE	-	1,045	251	1,843	-	-
BOATS:						
MOTOR	2	-	1	56	52	42
OTHER	1	-	-	-	-	2
GEAR:						
NUMBER	2	26	9	23,500	52	133
LENGTH, YARDS	200	-	-	-	-	-
SQUARE YARDS	-	-	-	-	104,000	53,000
YARDS AT MOUTH	-	568	158	-	-	-

ITEM	LINES			DREDGES, OYSTER, COMMON	SHOVELS	BY HAND, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	TROLL		LONG OR SET				
	SALMON	ALBACORE					
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	569	178	19	3	-	-	795
ON BOATS AND SHORE	290	12	-	2	245	30	668
TOTAL	859	190	19	5	245	30	1,463
VESSELS, MOTOR	320	87	7	1	-	-	407
GROSS TONNAGE	4,880	1,752	113	20	-	-	7,447
BOATS:							
MOTOR	242	9	-	1	-	-	352
OTHER	-	-	-	-	-	-	3
GEAR:							
NUMBER	2,720	815	109	4	245	-	-
HOOKS	11,850	815	9,120	-	-	-	-

COASTAL DISTRICT OF OREGON - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS:				
"SOLE"	-	-	5,369,600	$302,289
OTHER	-	-	59,800	2,393
HAKE	-	-	69,600	522
HERRING, SEA	1,800	$175	-	-
LINGCOD	-	-	182,400	7,297
OCEAN PERCH	-	-	1,077,300	43,090
ROCKFISHES	-	-	3,720,100	135,569
SABLEFISH	-	-	156,500	13,132
SMELT, SURF OR SILVER	5,200	515	-	-
STURGEON	-	-	1,500	90
SHRIMP, OCEAN	-	-	458,500	38,975
OCTOPUS	-	-	400	35
TOTAL	7,000	690	11,095,700	543,392

SPECIES	POTS		GILL NETS	
	POUNDS	VALUE	POUNDS	VALUE
LINGCOD	300	$10	-	-
SALMON:				
CHINOOK OR KING	-	-	16,900	$5,760
CHUM OR KETA	-	-	12,000	1,377
SILVER OR COHO	-	-	4,400	1,388
SHAD	-	-	283,900	19,870
STEELHEAD TROUT	-	-	4,400	1,077
STRIPED BASS	-	-	28,700	2,867
CRABS, DUNGENESS	6,573,600	953,175	-	-
OCTOPUS	100	6	-	-
TOTAL	6,574,000	953,191	350,300	32,339

SPECIES	LINES			
	TROLL		LONG OR SET	
	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS, "SOLE"	300	$25	800	$72
HALIBUT	61,600	6,482	204,600	28,040
LINGCOD	67,400	1,975	17,000	713
ROCKFISHES	15,500	434	7,300	254
SABLEFISH	-	-	175,500	19,635
SALMON:				
CHINOOK OR KING	1,433,400	685,153	-	-
SILVER OR COHO	607,500	242,996	-	-
TUNA, ALBACORE	510,400	75,024	-	-
TOTAL	2,696,100	1,012,089	405,200	48,714

SPECIES	DREDGES AND BY HAND		SHOVELS	
	POUNDS	VALUE	POUNDS	VALUE
CLAMS:				
RAZOR	-	-	20,300	$9,651
MIXED	-	-	13,800	5,242
OYSTERS, MARKET, PACIFIC	493,900	$98,786	-	-
TOTAL	493,900	98,786	34,100	14,893

PACIFIC COAST FISHERIES

CALIFORNIA

CATCH BY DISTRICTS, 1960

SPECIES	NORTHERN		SAN FRANCISCO		MONTEREY	
FISH	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	-	-	600	$32	1,290,700	$23,490
BONITO	-	-	-	-	1,400	144
CABEZONE	-	-	-	-	2,600	115
CARP	-	-	318,600	15,193	-	-
FLOUNDERS:						
ARROWTOOTH HALIBUT	975,700	$21,173	32,000	1,139	-	-
CALIFORNIA HALIBUT	100	24	22,000	4,636	3,900	979
SAND DABS	95,700	7,559	183,500	10,864	64,200	3,872
"SOLE":						
DOVER	7,543,000	439,003	1,530,000	76,498	49,600	1,807
ENGLISH	1,150,700	82,734	729,300	48,644	264,500	18,542
PETRALE	796,900	89,885	761,400	90,301	157,900	18,291
REX	463,400	27,572	486,600	28,269	93,600	4,709
SAND	17,500	1,754	54,200	5,314	-	-
UNCLASSIFIED	96,900	1,952	36,400	630	4,700	342
OTHER	145,400	7,243	100,200	4,999	12,000	1,158
HAKE	233,600	4,672	67,600	1,007	16,500	194
HALIBUT	4,900	1,163	-	-	-	-
HARDHEAD	-	-	175,400	39,559	-	-
HERRING, SEA	6,700	168	1,354,700	10,295	439,200	33,558
KING CROAKER	-	-	3,500	375	73,600	5,886
LINGCOD	714,900	51,045	378,300	25,989	97,800	9,048
MACKEREL:						
JACK	-	-	5,900	386	2,265,100	50,276
PACIFIC	-	-	-	-	214,000	4,536
PERCH	105,200	15,634	38,200	6,248	11,500	1,302
POMPANO	-	-	-	-	2,300	1,323
RATFISH	-	-	-	-	600	12
ROCKFISHES	3,193,700	119,134	3,290,000	152,511	3,563,600	179,803
SABLEFISH	1,348,800	81,335	848,200	29,263	199,000	9,354
SALMON:						
CHINOOK OR KING	2,329,900	1,272,125	2,786,000	1,535,090	801,800	392,080
SILVER OR COHO	107,500	46,968	103,500	44,617	14,000	5,797
TOTAL SALMON	2,437,400	1,319,093	2,889,500	1,579,707	815,800	397,877
SARDINE, PACIFIC	-	-	-	-	3,003,100	64,568
SEA BASS, WHITE	-	-	64,200	14,716	50,000	11,671
SHARKS, UNCLASSIFIED	1,700	115	68,400	2,984	54,200	3,394
SKATES	8,400	4	92,200	987	45,400	549
SMELT	269,800	14,931	32,600	4,347	29,000	1,822
SPLITTAIL	-	-	700	236	-	-
TUNA, ALBACORE	1,729,900	213,119	3,035,100	400,928	2,893,900	366,659
TURBOT	7,200	717	53,000	2,637	-	-
WHITEBAIT	146,000	11,548	18,200	3,036	4,200	870
UNCLASSIFIED, FOR FOOD	-	-	400	76	-	-
TOTAL FISH	21,493,500	2,511,577	16,670,900	2,561,806	15,723,900	1,216,151
SHELLFISH						
CRABS, DUNGENESS	11,274,900	1,772,419	3,369,100	695,383	54,700	12,790
SHRIMP:						
BAY	-	-	1,600	205	-	-
OCEAN	1,841,700	184,723	110,300	11,025	-	-
TOTAL SHRIMP	1,841,700	184,723	111,900	11,230	-	-
ABALONE 1/	-	-	4,800	3,812	600	463
CLAMS, HARD 2/	400	246	-	-	100	43
OCTOPUS	300	6	700	35	-	-
OYSTERS, MARKET:						
EASTERN 3/	-	-	300	691	-	-
PACIFIC 4/	1,104,100	230,024	31,500	33,583	-	-
TOTAL OYSTERS	1,104,100	230,024	31,800	34,274	-	-
SQUID	-	-	-	-	2,235,900	64,395
TOTAL SHELLFISH	14,221,400	2,187,418	3,518,300	744,734	2,291,300	77,691
WHALE PRODUCTS:						
MEAL	-	-	2,973,100	135,271	-	-
MEAT	-	-	4,010,000	362,545	-	-
OIL:						
SPERM	-	-	169,700	9,553	-	-
WHALE	-	-	3,108,800	165,016	-	-
TOTAL WHALE PRODUCTS	-	-	10,261,600	672,385	-	-
GRAND TOTAL	35,714,900	4,698,995	30,450,800	3,978,925	18,015,200	1,293,842

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CALIFORNIA - CATCH BY DISTRICTS, 1960 - Continued

SPECIES	SANTA BARBARA		SAN PEDRO		SAN DIEGO	
FISH	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	25,500	$1,276	3,741,800	$49,018	-	-
BARRACUDA	305,000	41,847	881,500	92,738	43,100	$4,933
BONITO	105,300	1,855	1,125,500	33,765	18,200	889
CABEZONE	500	24	-	-	-	-
CABRILLA	-	-	11,900	2,096	-	-
FLOUNDERS:						
CALIFORNIA HALIBUT	206,900	46,919	85,800	22,726	57,600	14,873
SAND DABS	3,400	208	1,500	297	-	-
"SOLE":						
DOVER	62,200	3,595	-	-	-	-
ENGLISH	230,900	14,176	-	-	-	-
PETRALE	759,400	87,259	-	-	-	-
REX	63,800	3,513	-	-	-	-
SAND	1,800	177	-	-	-	-
UNCLASSIFIED	89,300	2,455	700	57	100	18
OTHER	1,500	87	-	-	-	-
FLYING FISH	-	-	70,100	15,848	800	274
GROUPERS	-	-	225,500	46,544	29,000	5,379
HAKE	7,400	148	-	-	-	-
HALFMOON	-	-	2,900	712	-	-
KING CROAKER	200	17	1,000,700	31,887	200	16
LINGCOD	115,100	7,462	900	104	-	-
MACKEREL:						
JACK	13,197,900	234,923	59,476,500	1,296,588	-	-
PACIFIC	4,052,400	68,486	32,505,000	682,606	37,300	1,815
OPALEYE	-	-	1,200	155	-	-
PERCH	8,900	2,026	400	77	-	-
POMPANO	400	71	12,800	2,530	-	-
ROCKFISHES	2,823,400	122,856	616,700	76,016	226,500	21,927
SABLEFISH	22,400	1,053	500	44	-	-
SALMON, CHINOOK OR KING	73,000	38,980	5,500	2,985	200	122
SARDINE, PACIFIC	15,230,700	424,937	39,139,100	692,762	159,700	3,546
SCULPIN	-	-	24,000	7,232	5,200	1,298
SEA BASS:						
BLACK	2,300	266	203,300	31,627	36,100	4,880
WHITE	366,600	85,411	553,600	150,474	201,900	49,442
SHARKS, UNCLASSIFIED	78,000	6,817	295,600	31,026	196,300	20,366
SHEEPSHEAD	900	45	1,200	90	2,600	204
SKATES	-	-	1,000	111	-	-
SMELT	-	-	98,000	3,118	-	-
SWORDFISH	54,200	24,049	211,300	96,029	59,200	25,626
TUNA:						
ALBACORE	1,464,200	193,566	21,061,500	3,235,041	4,928,100	767,309
BLUEFIN	-	-	11,305,800	1,378,181	646,700	78,378
SKIPJACK	-	-	32,887,700	3,380,851	13,416,000	1,410,023
YELLOWFIN	-	-	168,536,000	20,965,882	20,770,800	2,600,506
TOTAL TUNA	1,464,200	193,566	233,791,000	28,959,955	39,761,600	4,856,216
TURBOT	2,300	181	-	-	-	-
WAHOO	-	-	11,400	3,990	4,500	1,347
YELLOWTAIL	16,600	1,128	151,200	14,620	80,900	6,808
UNCLASSIFIED, FOR FOOD	20,800	438	45,700	5,712	2,000	190
TOTAL FISH	39,393,200	1,416,251	374,293,800	32,353,539	40,923,000	5,020,169
SHELLFISH						
CRABS:						
DUNGENESS	177,400	36,088	-	-	-	-
ROCK	43,400	1,882	75,000	7,498	2,000	52
TOTAL CRABS	220,800	37,970	75,000	7,498	2,000	52
LOBSTERS, SPINY	61,500	37,399	182,700	128,121	106,800	69,991
SHRIMP, OCEAN	74,900	7,692	-	-	-	-
ABALONE 1/	571,600	380,904	182,100	73,183	94,200	37,983
CLAMS, HARD 2/	-	-	-	-	1,700	2,983
OCTOPUS	300	19	200	43	-	-
OYSTERS, MARKET, PACIFIC 4/	146,800	24,467	-	-	-	-
SQUID	-	-	325,600	7,619	-	-
TOTAL SHELLFISH	1,075,900	488,451	765,600	216,464	204,700	111,009
GRAND TOTAL	40,469,100	1,904,702	375,059,400	32,570,003	41,127,700	5,131,178

1/ BASED ON YIELDS OF 20 PERCENT MEATS. 2/ BASED ON YIELDS OF 24 PERCENT MEATS. 3/ BASED ON YIELDS OF 14 PERCENT MEATS. 4/ BASED ON YIELDS OF 12 PERCENT MEATS.

CALIFORNIA - CATCH BY WATERS, 1960

SPECIES	OFF UNITED STATES		OFF LATIN AMERICA	
	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	5,058,600	$73,816	-	-
BARRACUDA	1,147,800	130,160	81,800	$9,358
BONITO	1,219,700	35,750	30,700	903
CABEZONE	3,100	139	-	-
CABRILLA	-	-	11,900	2,096
CARP	318,600	15,193	-	-
FLOUNDERS:				
ARROWTOOTH HALIBUT	1,007,700	22,312	-	-
CALIFORNIA HALIBUT	366,200	87,700	10,100	2,457
SAND DABS	348,300	22,800	-	-
"SOLE":				
DOVER	9,184,800	520,903	-	-
ENGLISH	2,375,400	164,096	-	-
PETRALE	2,475,600	285,736	-	-
REX	1,107,400	64,063	-	-
SAND	73,500	7,245	-	-
UNCLASSIFIED	228,100	5,454	-	-
OTHER	259,100	13,487	-	-
FLYING FISH	70,900	16,122	-	-
GROUPER	-	-	254,500	51,923
HAKE	325,100	6,021	-	-
HALFMOON	2,900	712	-	-
HALIBUT	4,900	1,163	-	-
HARDHEAD	175,400	39,559	-	-
HERRING, SEA	1,800,600	44,021	-	-
KING CROAKER	1,078,200	38,181	-	-
LINGCOD	1,307,000	93,648	-	-
MACKEREL:				
JACK	74,945,400	1,582,173	-	-
PACIFIC	36,808,700	757,443	-	-
OPALEYE	1,200	155	-	-
PERCH.	164,200	25,287	-	-
POMPANO	15,500	3,924	-	-
RATFISH	600	12	-	-
ROCKFISHES	13,595,300	666,441	118,600	5,806
SABLEFISH	2,418,900	121,049	-	-
SALMON:				
CHINOOK OR KING	5,996,400	3,241,382	-	-
SILVER OR COHO	225,000	97,382	-	-
SARDINE, PACIFIC	57,532,600	1,185,813	-	-
SCULPIN	29,200	8,530	-	-
SEA BASS:				
BLACK	20,600	3,143	221,100	33,630
WHITE	1,086,900	274,007	149,400	37,707
SHARKS, UNCLASSIFIED	669,200	62,370	25,000	2,332
SHEEPSHEAD	4,200	302	500	37
SKATES	147,000	1,651	-	-
SMELT	429,400	24,218	-	-
SPLITTAIL	700	236	-	-
SWORDFISH	320,100	143,629	4,600	2,075
TUNA:				
ALBACORE	32,126,200	4,735,401	2,986,500	441,221
BLUEFIN	4,339,000	528,490	7,613,500	928,069
SKIPJACK	24,200	946	46,279,500	4,789,928
YELLOWFIN	10,400	2,773	189,296,400	23,563,615
TURBOT	62,500	3,535	-	-
WAHOO	-	-	15,900	5,337
WHITEBAIT	168,400	15,454	-	-
YELLOWTAIL	156,600	14,202	92,100	8,354
UNCLASSIFIED, FOR FOOD	68,900	6,416	-	-
CRABS:				
DUNGENESS	14,876,100	2,516,680	-	-
ROCK	120,400	9,432	-	-
LOBSTERS, SPINY	351,000	235,511	-	-
SHRIMP:				
BAY	1,600	205	-	-
OCEAN	2,026,900	203,440	-	-
ABALONE	853,300	496,345	-	-
CLAMS, HARD	2,200	3,272	-	-
OCTOPUS	1,500	103	-	-
OYSTERS, MARKET:				
EASTERN	300	691	-	-
PACIFIC	1,282,400	288,074	-	-
SQUID	2,561,500	72,014	-	-
WHALE PRODUCTS:				
MEAL	2,973,100	135,271	-	-
MEAT	4,010,000	362,545	-	-
OIL:				
SPERM	169,700	9,553	-	-
WHALE	3,108,800	165,016	-	-
TOTAL	293,645,000	19,692,797	247,192,100	29,884,848

NORTHERN DISTRICT OF CALIFORNIA - OPERATING UNITS, 1960

ITEM	HAUL SEINES, COMMON	BEAM TRAWLS, SHRIMP	OTTER TRAWLS, FISH	POTS, CRAB	LINES
					HAND, ROCKFISH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	-	80	159	365	4
ON BOATS AND SHORE.	10	3	-	88	-
TOTAL.	10	83	159	453	4
VESSELS, MOTOR.	-	19	35	156	2
GROSS TONNAGE	-	884	2,279	2,631	29
BOATS, MOTOR.	5	1	-	59	-
GEAR:					
NUMBER.	5	20	35	18,911	4
LENGTH, YARDS	250	-	-	-	-
YARDS AT MOUTH.	-	120	943	-	-
HOOKS	-	-	-	-	8

ITEM	LINES - CONTINUED			DREDGES, OYSTER	
	LONG OR SET, ROCKFISH	TROLL		COMMON	SUCTION
		ALBACORE	SALMON		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	-	449	799	-	-
ON BOATS AND SHORE.	10	14	448	4	3
TOTAL.	10	463	1,247	4	3
VESSELS, MOTOR.	-	172	346	-	-
GROSS TONNAGE	-	4,940	6,081	-	-
BOATS, MOTOR.	5	8	256	2	1
GEAR:					
NUMBER.	10	1,657	3,612	2	1
YARDS AT MOUTH.	-	-	-	2	-
HOOKS	1,000	1,657	21,672	-	-

ITEM	TONGS, OYSTER	SHOVELS, CLAM	BY HAND, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	-	-	-	1,391
ON BOATS AND SHORE.	8	4	8	500
TOTAL.	8	4	8	1,891
VESSELS, MOTOR.	-	-	-	551
GROSS TONNAGE	-	-	-	13,009
BOATS, MOTOR.	8	2	8	286
GEAR, NUMBER.	8	4	-	-

NORTHERN DISTRICT OF CALIFORNIA - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		BEAM TRAWLS		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS:						
ARROWTOOTH HALIBUT	-	-	-	-	975,700	$21,173
CALIFORNIA HALIBUT	-	-	-	-	100	24
SAND DABS	-	-	-	-	95,700	7,559
"SOLE":						
DOVER	-	-	-	-	7,543,000	439,003
ENGLISH	-	-	-	-	1,150,700	82,734
PETRALE	-	-	-	-	796,900	89,885
REX	-	-	-	-	463,400	27,572
SAND	-	-	-	-	17,500	1,754
UNCLASSIFIED	-	-	-	-	96,900	1,952
OTHER	-	-	-	-	145,400	7,243
HAKE	-	-	-	-	233,600	4,672
HERRING, SEA	6,700	$168	-	-	-	-
LINGCOD	-	-	-	-	632,800	45,182
PERCH	105,200	15,634	-	-	-	-
ROCKFISHES	-	-	-	-	3,161,100	117,918
SABLEFISH	-	-	-	-	1,191,000	71,820
SHARKS	-	-	-	-	1,700	115
SKATES	-	-	-	-	8,400	4
SMELT	269,800	14,931	-	-	-	-
TURBOT	-	-	-	-	7,200	717
WHITEBAIT	146,000	11,548	-	-	-	-
CRABS, DUNGENESS	-	-	-	-	2,100	335
SHRIMP, OCEAN	-	-	1,841,700	$184,723	-	-
OCTOPUS	-	-	-	-	300	6
TOTAL	527,700	42,281	1,841,700	184,723	16,523,500	919,668

SPECIES	POTS		LINES		DREDGES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HALIBUT	-	-	4,900	$1,163	-	-
LINGCOD	-	-	82,100	5,863	-	-
ROCKFISHES	-	-	32,600	1,216	-	-
SABLEFISH	-	-	157,800	9,515	-	-
SALMON:						
CHINOOK OR KING	-	-	2,329,900	1,272,125	-	-
SILVER OR COHO	-	-	107,500	46,968	-	-
TUNA, ALBACORE	-	-	1,729,900	213,119	-	-
CRABS, DUNGENESS	11,272,800	$1,772,084	-	-	-	-
OYSTERS, PACIFIC	-	-	-	-	1,072,600	$223,463
TOTAL	11,272,800	1,772,084	4,444,700	1,549,969	1,072,600	223,463

SPECIES	TONGS AND BY HAND		SHOVELS	
	POUNDS	VALUE	POUNDS	VALUE
CLAMS, HARD	-	-	400	$246
OYSTERS, PACIFIC	31,500	$6,561	-	-
TOTAL	31,500	6,561	400	246

SAN FRANCISCO DISTRICT OF CALIFORNIA - OPERATING UNITS, 1960

ITEM	HAUL SEINES, COMMON	PURSE SEINES AND LAMPARA NETS	BEAM TRAWLS, SHRIMP	OTTER TRAWLS, FISH	POTS AND TRAPS	
					CRAB	FISH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	10	14	28	81	307	-
ON BOATS AND SHORE	18	10	-	-	140	2
TOTAL	28	24	28	81	447	2
VESSELS, MOTOR	3	2	7	19	133	-
GROSS TONNAGE	31	128	160	756	2,035	-
BOATS, MOTOR	8	2	-	-	80	1
GEAR:						
NUMBER	11	4	7	19	18,275	50
LENGTH, YARDS	1,700	1,100	-	-	-	-
YARDS AT MOUTH	-	-	42	515	-	-

ITEM	GILL NETS, DRIFT	LINES			
		HAND, ROCKFISHES	LONG OR SET, ROCKFISHES	TROLL	
				ALBACORE	SALMON
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	15	4	16	509	1,038
ON BOATS AND SHORE	2	22	6	28	572
TOTAL	17	26	22	537	1,610
VESSELS, MOTOR	6	2	8	194	450
GROSS TONNAGE	88	20	91	5,455	7,597
BOATS, MOTOR	4	15	4	14	327
GEAR:					
NUMBER	10	28	98	1,951	4,662
SQUARE YARDS	36,000	-	-	-	-
HOOKS	-	56	9,160	1,951	27,972

ITEM	HARPOONS, WHALE	DREDGES, OYSTER	TONGS, OYSTER	DIVING OUTFITS, ABALONE	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	24	-	-	-	1,519
ON BOATS AND SHORE	-	2	6	2	645
TOTAL	24	2	6	2	2,164
VESSELS, MOTOR	5	-	-	-	610
GROSS TONNAGE	972	-	-	-	13,349
BOATS, MOTOR	-	1	6	1	358
GEAR:					
NUMBER	5	1	6	1	-
YARDS AT MOUTH	-	1	-	-	-

NOTE:--INCLUDES OPERATING UNITS IN THE SACRAMENTO AREA CONSISTING OF FISH TRAPS AND HAUL SEINES.

SAN FRANCISCO DISTRICT OF CALIFORNIA - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		PURSE SEINES AND LAMPARA NETS		BEAM TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	-	-	600	$32	-	-
CARP	300,000	$14,250	-	-	-	-
HARDHEAD	175,400	39,559	-	-	-	-
HERRING, SEA	434,700	3,303	920,000	6,992	-	-
MACKEREL, JACK	-	-	3,000	197	-	-
PERCH	35,400	5,770	-	-	-	-
SMELT	10,800	1,442	21,800	2,905	-	-
WHITEBAIT	-	-	18,200	3,036	-	-
SHRIMP:						
BAY	-	-	-	-	1,600	$205
OCEAN	-	-	-	-	110,300	11,025
TOTAL	956,300	64,324	963,600	13,162	111,900	11,230

SPECIES	OTTER TRAWLS		POTS AND TRAPS		GILL NETS		LINES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CARP	-	-	18,600	$943	-	-	-	-
FLOUNDERS:								
ARROWTOOTH HALIBUT	32,000	$1,139	-	-	-	-	-	-
CALIFORNIA HALIBUT	22,000	4,636	-	-	-	-	-	-
SAND DABS	183,500	10,864	-	-	-	-	-	-
"SOLE":								
DOVER	1,530,000	76,498	-	-	-	-	-	-
ENGLISH	729,300	48,644	-	-	-	-	-	-
PETRALE	761,400	90,301	-	-	-	-	-	-
REX	486,600	28,269	-	-	-	-	-	-
SAND	54,200	5,314	-	-	-	-	-	-
UNCLASSIFIED	36,400	630	-	-	-	-	-	-
OTHER	100,200	4,999	-	-	-	-	-	-
HAKE	67,600	1,007	-	-	-	-	-	-
KING CROAKER	2,100	225	-	-	1,400	$150	-	-
LINGCOD	322,900	22,183	-	-	-	-	55,400	$3,806
MACKEREL, JACK	2,900	189	-	-	-	-	-	-
PERCH	2,800	478	-	-	-	-	-	-
ROCKFISHES	3,176,900	147,400	-	-	-	-	113,100	5,111
SABLEFISH	848,200	29,263	-	-	-	-	-	-
SALMON:								
CHINOOK OR KING	-	-	-	-	-	-	2,786,000	1,535,090
SILVER OR COHO	-	-	-	-	-	-	103,500	44,617
SEA BASS, WHITE	100	11	-	-	20,000	4,588	44,100	10,117
SHARKS	34,500	1,505	-	-	33,900	1,479	-	-
SKATES	92,200	987	-	-	-	-	-	-
SPLITTAIL	-	-	-	-	-	-	700	236
TUNA, ALBACORE	-	-	-	-	-	-	3,035,100	400,928
TURBOT	53,000	2,637	-	-	-	-	-	-
UNCLASSIFIED, FOR FOOD	100	13	-	-	-	-	300	63
CRABS, DUNGENESS	50,900	10,507	3,318,200	684,876	-	-	-	-
OCTOPUS	700	35	-	-	-	-	-	-
TOTAL	8,590,500	487,734	3,336,800	685,819	55,300	6,217	6,138,200	1,999,968

SPECIES	HARPOONS		DREDGES		TONGS		DIVING OUTFITS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ABALONE	-	-	-	-	-	-	4,800	$3,812
OYSTERS:								
EASTERN	-	-	-	-	300	$691	-	-
PACIFIC	-	-	3,100	$3,309	28,400	30,274	-	-
WHALE PRODUCTS:								
MEAL	2,973,100	$135,271	-	-	-	-	-	-
MEAT	4,010,000	362,545	-	-	-	-	-	-
OIL:								
SPERM	169,700	9,553	-	-	-	-	-	-
WHALE	3,108,800	165,016	-	-	-	-	-	-
TOTAL	10,261,600	672,385	3,100	3,309	28,700	30,965	4,800	3,812

MONTEREY DISTRICT OF CALIFORNIA - OPERATING UNITS, 1960

ITEM	PURSE SEINES AND LAMPARA NETS			
	MACKEREL	SARDINE	SQUID	OTHER
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	101	134	68	16
ON BOATS AND SHORE.	12	12	12	-
TOTAL.	113	146	80	16
VESSELS, MOTOR.	18	17	15	4
GROSS TONNAGE	632	1,204	232	62
BOATS, MOTOR.	4	4	4	-
ACCESSORY BOATS	4	11	-	-
GEAR:				
NUMBER.	22	21	19	4
LENGTH, YARDS	8,290	9,930	6,230	1,430

ITEM	OTTER TRAWLS, FISH	POTS, CRAB	GILL NETS, DRIFT	TRAMMEL NETS
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	61	21	14	2
ON BOATS AND SHORE.	3	22	4	-
TOTAL.	64	43	18	2
VESSELS, MOTOR.	13	9	5	1
GROSS TONNAGE	584	152	85	17
BOATS, MOTOR.	1	13	2	-
GEAR:				
NUMBER.	14	1,540	7	1
SQUARE YARDS.	-	-	25,200	8,000
YARDS AT MOUTH.	376	-	-	-

ITEM	LINES			
	HAND, ROCKFISHES	LONG OR SET, ROCKFISHES	TROLL	
			ALBACORE	SALMON
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	-	31	558	477
ON BOATS AND SHORE.	40	32	106	294
TOTAL.	40	63	664	771
VESSELS, MOTOR.	-	13	213	202
GROSS TONNAGE	-	173	5,314	3,491
BOATS, MOTOR.	27	17	53	168
GEAR:				
NUMBER.	40	241	2,497	2,220
HOOKS	80	24,100	2,497	13,320

ITEM	LINES-CONTINUED	DIP, BRAIL, OR SCOOP NETS	SHOVELS, CLAM	DIVING OUTFITS, ABALONE	TOTAL, EXCLUSIVE OF DUPLICATION
	OTHER				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	-	-	-	-	1,059
ON BOATS AND SHORE.	24	6	2	2	509
TOTAL.	24	6	2	2	1,568
VESSELS, MOTOR.	-	-	-	-	365
GROSS TONNAGE	-	-	-	-	9,079
BOATS, MOTOR.	13	3	2	1	252
ACCESSORY BOATS	-	-	-	-	12
GEAR:					
NUMBER.	78	6	2	1	-
HOOKS	78	-	-	-	-

MONTEREY DISTRICT OF CALIFORNIA - CATCH BY GEAR, 1960

SPECIES	PURSE SEINES AND LAMPARA NETS		OTTER TRAWLS		POTS		GILL AND TRAMMEL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	1,290,700	$23,490	-	-	-	-	-	-
BONITO	1,400	144	-	-	-	-	-	-
FLOUNDERS:								
CALIFORNIA HALIBUT	-	-	900	$226	-	-	-	-
SAND DABS	-	-	51,400	3,099	-	-	-	-
"SOLE":								
DOVER	-	-	49,600	1,807	-	-	-	-
ENGLISH	-	-	264,500	18,542	-	-	-	-
PETRALE	-	-	157,900	18,291	-	-	-	-
REX	-	-	93,600	4,709	-	-	-	-
UNCLASSIFIED	-	-	1,300	95	-	-	-	-
OTHER	-	-	1,900	183	-	-	-	-
HAKE	-	-	16,300	191	-	-	-	-
HERRING, SEA	439,200	33,558	-	-	-	-	-	-
KING CROAKER	40,000	3,196	1,300	104	-	-	32,300	$2,586
LINGCOD	-	-	33,600	3,110	-	-	-	-
MACKEREL:								
JACK	2,205,000	48,928	9,300	221	-	-	-	-
PACIFIC	200,000	4,238	-	-	-	-	-	-
PERCH	8,100	916	400	47	-	-	3,000	339
POMPANO	2,300	1,323	-	-	-	-	-	-
RATFISH	-	-	600	12	-	-	-	-
ROCKFISHES	-	-	2,703,200	136,376	-	-	-	-
SABLEFISH	-	-	71,200	3,348	-	-	-	-
SARDINE, PACIFIC	3,003,100	64,568	-	-	-	-	-	-
SEA BASS, WHITE	-	-	-	-	-	-	48,000	11,200
SHARKS	-	-	29,600	1,853	-	-	24,600	1,541
SKATES	-	-	45,400	549	-	-	-	-
SMELT	29,000	1,822	-	-	-	-	-	-
WHITEBAIT	4,200	870	-	-	-	-	-	-
CRABS, DUNGENESS	-	-	400	95	54,300	$12,695	-	-
SQUID	2,235,900	64,395	-	-	-	-	-	-
TOTAL	9,458,900	247,448	3,532,400	192,858	54,300	12,695	107,900	15,666

SPECIES	LINES		DIP, BRAIL, OR SCOOP NETS		SHOVELS		DIVING OUTFITS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CABEZONE	2,600	$115	-	-	-	-	-	-
FLOUNDERS:								
CALIFORNIA HALIBUT	3,000	753	-	-	-	-	-	-
SAND DABS	12,800	773	-	-	-	-	-	-
"SOLE", UNCLASSIFIED	3,400	247	-	-	-	-	-	-
OTHER	10,100	975	-	-	-	-	-	-
HAKE	200	3	-	-	-	-	-	-
LINGCOD	64,200	5,938	-	-	-	-	-	-
MACKEREL:								
JACK	-	-	50,800	$1,127	-	-	-	-
PACIFIC	-	-	14,000	298	-	-	-	-
ROCKFISHES	860,400	43,427	-	-	-	-	-	-
SABLEFISH	127,800	6,006	-	-	-	-	-	-
SALMON:								
CHINOOK OR KING	801,800	392,080	-	-	-	-	-	-
SILVER OR COHO	14,000	5,797	-	-	-	-	-	-
SEA BASS, WHITE	2,000	471	-	-	-	-	-	-
TUNA, ALBACORE	2,893,900	366,659	-	-	-	-	-	-
ABALONE	-	-	-	-	-	-	600	$463
CLAMS, HARD	-	-	-	-	100	$43	-	-
TOTAL	4,796,200	823,244	64,800	1,425	100	43	600	463

SANTA BARBARA DISTRICT OF CALIFORNIA - OPERATING UNITS, 1960

ITEM	PURSE SEINES AND LAMPARA NETS			BEAM TRAWLS, SHRIMP	OTTER TRAWLS, FISH
	MACKEREL	SARDINE	OTHER		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	357	163	-	8	54
ON BOATS AND SHORE	-	-	4	3	11
TOTAL	357	163	4	11	65
VESSELS, MOTOR	41	20	-	2	13
GROSS TONNAGE	2,857	1,411	-	51	427
BOATS, MOTOR	-	-	1	1	3
ACCESSORY BOATS	28	14	-	-	-
GEAR:					
NUMBER	41	20	1	3	16
LENGTH, YARDS	22,420	10,710	180	-	-
YARDS AT MOUTH	-	-	-	18	424

ITEM	POTS AND TRAPS		GILL NETS, DRIFT		TRAMMEL NETS
	CRAB	LOBSTER	BARRACUDA	SEA BASS	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	14	11	12	39	2
ON BOATS AND SHORE	16	24	16	6	2
TOTAL	30	35	28	45	4
VESSELS, MOTOR	7	5	6	17	1
GROSS TONNAGE	98	92	80	284	17
BOATS, MOTOR	13	20	8	3	1
GEAR:					
NUMBER	1,540	1,317	14	20	2
SQUARE YARDS	-	-	50,400	71,400	11,000

ITEM	LINES				
	HAND		LONG OR SET, ROCKFISHES	TROLL	
	ALBACORE	ROCKFISHES		ALBACORE	SALMON
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	9	-	17	314	50
ON BOATS AND SHORE	-	20	20	76	60
TOTAL	9	20	37	390	110
VESSELS, MOTOR	3	-	8	122	21
GROSS TONNAGE	50	-	103	2,708	442
BOATS, MOTOR	-	10	11	38	40
GEAR:					
NUMBER	9	20	153	1,476	366
HOOKS	9	40	15,300	1,476	2,196

ITEM	DIP, BRAIL, OR SCOOP NETS	HARPOONS, SWORDFISH	TONGS, OYSTER	DIVING OUTFITS, ABALONE	BY HAND, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	38	8	-	15	-	946
ON BOATS AND SHORE	10	18	11	72	11	336
TOTAL	48	26	11	87	11	1,282
VESSELS, MOTOR	16	4	-	6	-	241
GROSS TONNAGE	323	76	-	213	-	8,016
BOATS, MOTOR	5	9	11	58	-	192
ACCESSORY BOATS	-	-	-	-	-	38
GEAR, NUMBER	48	13	11	43	-	-

SANTA BARBARA DISTRICT OF CALIFORNIA - CATCH BY GEAR, 1960

SPECIES	PURSE SEINES AND LAMPARA NETS		BEAM TRAWLS		OTTER TRAWLS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	25,500	$1,276	-	-	-	-	-	-
BONITO	105,300	1,855	-	-	-	-	-	-
FLOUNDERS:								
CALIFORNIA HALIBUT	-	-	-	-	189,000	$42,846	-	-
SAND DABS	-	-	-	-	3,400	208	-	-
"SOLE":								
DOVER	-	-	-	-	62,200	3,595	-	-
ENGLISH	-	-	-	-	230,900	14,176	-	-
PETRALE	-	-	-	-	759,400	87,259	-	-
REX	-	-	-	-	63,800	3,513	-	-
SAND	-	-	-	-	1,800	177	-	-
UNCLASSIFIED	-	-	-	-	88,400	2,430	-	-
OTHER	-	-	-	-	700	41	-	-
HAKE	-	-	-	-	7,400	148	-	-
KING CROAKER	200	17	-	-	-	-	-	-
LINGCOD	-	-	-	-	109,600	7,102	-	-
MACKEREL:								
JACK	13,182,200	234,643	-	-	-	-	-	-
PACIFIC	3,813,500	64,448	-	-	-	-	-	-
PERCH	-	-	-	-	100	24	-	-
POMPANO	400	71	-	-	-	-	-	-
ROCKFISHES	-	-	-	-	2,690,600	117,041	-	-
SABLEFISH	-	-	-	-	22,400	1,053	-	-
SARDINE, PACIFIC	15,230,700	424,937	-	-	-	-	-	-
SEA BASS, WHITE	-	-	-	-	300	100	-	-
SHARKS	-	-	-	-	4,700	410	-	-
TURBOT	-	-	-	-	2,300	181	-	-
UNCLASSIFIED, FOR FOOD	-	-	-	-	20,800	438	-	-
CRABS:								
DUNGENESS	-	-	-	-	300	66	177,100	$36,022
ROCK	-	-	-	-	1,500	66	41,900	1,816
LOBSTERS, SPINY	-	-	-	-	-	-	61,500	37,399
SHRIMP, OCEAN	-	-	74,900	$7,692	-	-	-	-
OCTOPUS	-	-	-	-	300	19	-	-
TOTAL	32,357,800	727,247	74,900	7,692	4,259,900	280,893	280,500	75,237

SPECIES	GILL AND TRAMMEL NETS		LINES		DIP, BRAIL, OR SCOOP NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BARRACUDA	300,000	$41,160	5,000	$687	-	-
CABEZONE	-	-	500	24	-	-
FLOUNDERS:						
CALIFORNIA HALIBUT	-	-	17,900	4,073	-	-
"SOLE", UNCLASSIFIED	-	-	900	25	-	-
OTHER	-	-	800	46	-	-
LINGCOD	-	-	5,500	360	-	-
MACKEREL:						
JACK	-	-	-	-	15,700	$280
PACIFIC	-	-	-	-	238,900	4,038
PERCH	7,400	1,684	1,400	318	-	-
ROCKFISHES	-	-	132,800	5,815	-	-
SALMON, CHINOOK OR KING	-	-	73,000	38,980	-	-
SEA BASS:						
BLACK	-	-	2,300	266	-	-
WHITE	340,000	79,186	26,300	6,125	-	-
SHARKS	70,800	6,187	2,500	220	-	-
SHEEPSHEAD	-	-	900	45	-	-
SWORDFISH	-	-	2,000	888	-	-
TUNA, ALBACORE	-	-	1,464,200	193,566	-	-
YELLOWTAIL	-	-	16,600	1,128	-	-
TOTAL	718,200	128,217	1,752,600	252,566	254,600	4,318

SPECIES	HARPOONS		TONGS AND BY HAND		DIVING OUTFITS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SWORDFISH	52,200	$23,161	-	-	-	-
ABALONE	-	-	-	-	571,600	$380,904
OYSTERS, PACIFIC	-	-	146,800	$24,467	-	-
TOTAL	52,200	23,161	146,800	24,467	571,600	380,904

SAN PEDRO DISTRICT OF CALIFORNIA - OPERATING UNITS, 1960

ITEM	PURSE SEINES AND LAMPARA NETS					POTS AND TRAPS	
	MACKEREL	SARDINE	SQUID	TUNA	OTHER	CRAB	LOBSTER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	541	145	38	1,344	50	-	48
ON BOATS AND SHORE	-	-	-	-	3	6	125
TOTAL	541	145	38	1,344	53	6	173
VESSELS, MOTOR	68	19	7	114	8	-	19
GROSS TONNAGE	4,197	1,064	176	25,978	559	-	351
BOATS, MOTOR	-	-	-	-	1	3	75
ACCESSORY BOATS	38	8	-	143	3	-	-
GEAR:							
NUMBER	68	19	7	114	9	200	6,100
LENGTH, YARDS	35,090	9,490	2,710	86,158	3,800	-	-

ITEM	GILL NETS, DRIFT		TRAMMEL NETS	LINES			
				HAND			LONG OR SET, ROCKFISHES
	BARRACUDA	SEA BASS		ALBACORE	ROCKFISHES	YELLOWFIN	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	18	47	11	715	11	790	80
ON BOATS AND SHORE	22	18	2	-	75	-	50
TOTAL	40	65	13	715	86	790	130
VESSELS, MOTOR	8	21	5	178	4	69	34
GROSS TONNAGE	96	337	72	6,828	80	18,835	708
BOATS, MOTOR	11	9	1	-	41	-	26
ACCESSORY BOATS	-	-	-	26	-	69	-
GEAR:							
NUMBER	19	30	6	715	84	790	548
SQUARE YARDS	68,400	108,000	43,000	-	-	-	-
HOOKS	-	-	-	715	168	790	54,800

ITEM	LINES - CONTINUED			DIP, BRAIL, OR SCOOP, NETS	HARPOONS, SWORDFISH	DIVING OUTFITS, ABALONE	TOTAL, EXCLUSIVE OF DUPLICATION
	TROLL						
	ALBACORE	SALMON	OTHER				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	1,099	4	37	160	33	12	3,528
ON BOATS AND SHORE	118	-	58	108	72	70	580
TOTAL	1,217	4	95	268	105	82	4,108
VESSELS, MOTOR	390	2	15	68	16	5	719
GROSS TONNAGE	10,621	48	269	1,114	245	120	51,825
BOATS, MOTOR	59	-	35	54	36	35	306
ACCESSORY BOATS	-	-	-	-	-	-	215
GEAR:							
NUMBER	4,235	12	415	268	52	40	-
HOOKS	4,235	72	415	-	-	-	-

SAN PEDRO DISTRICT OF CALIFORNIA - CATCH BY GEAR, 1960

SPECIES	PURSE SEINES AND LAMPARA NETS		POTS AND TRAPS		GILL AND TRAMMEL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	3,741,800	$49,018	-	-	-	-
BARRACUDA	-	-	-	-	820,500	$86,316
BONITO	1,125,500	33,765	-	-	-	-
FLOUNDERS:						
CALIFORNIA HALIBUT	-	-	-	-	28,600	7,580
SAND DABS	-	-	-	-	800	158
FLYING FISH	10,000	2,261	-	-	40,100	9,066
KING CROAKER	934,200	29,763	-	-	65,000	2,076
MACKEREL:						
JACK	59,474,700	1,296,548	-	-	-	-
PACIFIC	27,986,400	587,714	-	-	-	-
PERCH	-	-	-	-	400	77
POMPANO	9,700	1,916	-	-	-	-
SARDINE, PACIFIC	39,139,100	692,762	-	-	-	-
SEA BASS, WHITE	-	-	-	-	500,000	135,900
SHARKS	-	-	-	-	266,100	27,913
SMELT	98,000	3,118	-	-	-	-
TUNA:						
ALBACORE	30,000	4,608	-	-	-	-
BLUEFIN	11,305,800	1,378,181	-	-	-	-
SKIPJACK	8,221,925	845,213	-	-	-	-
YELLOWFIN	128,087,360	15,934,067	-	-	-	-
CRABS, ROCK	-	-	75,000	$7,498	-	-
LOBSTERS, SPINY	-	-	182,700	128,121	-	-
OCTOPUS	-	-	-	-	200	43
SQUID	325,600	7,619	-	-	-	-
TOTAL	280,490,085	20,866,553	257,700	135,619	1,721,700	269,129

SPECIES	LINES		DIP, BRAIL, OR SCOOP NETS		HARPOONS		DIVING OUTFITS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BARRACUDA	61,000	$6,422	-	-	-	-	-	-
CABRILLA	11,900	2,096	-	-	-	-	-	-
FLOUNDERS:								
CALIFORNIA HALIBUT	57,200	15,146	-	-	-	-	-	-
SAND DABS	700	139	-	-	-	-	-	-
"SOLE", UNCLASSIFIED	700	57	-	-	-	-	-	-
FLYING FISH	-	-	20,000	$4,521	-	-	-	-
GROUPER	225,500	46,544	-	-	-	-	-	-
HALFMOON	2,900	712	-	-	-	-	-	-
KING CROAKER	1,500	48	-	-	-	-	-	-
LINGCOD	900	104	-	-	-	-	-	-
MACKEREL:								
JACK	-	-	1,800	40	-	-	-	-
PACIFIC	39,300	827	4,479,300	94,065	-	-	-	-
OPALEYE	1,200	155	-	-	-	-	-	-
POMPANO	3,100	614	-	-	-	-	-	-
ROCKFISHES	616,700	76,016	-	-	-	-	-	-
SABLEFISH	500	44	-	-	-	-	-	-
SALMON, CHINOOK OR KING	5,500	2,985	-	-	-	-	-	-
SCULPIN	24,000	7,232	-	-	-	-	-	-
SEA BASS:								
BLACK	203,300	31,627	-	-	-	-	-	-
WHITE	53,600	14,574	-	-	-	-	-	-
SHARKS	29,500	3,113	-	-	-	-	-	-
SHEEPSHEAD	1,200	90	-	-	-	-	-	-
SKATES	1,000	111	-	-	-	-	-	-
SWORDFISH	19,000	8,648	-	-	192,300	$87,381	-	-
TUNA:								
ALBACORE	21,031,500	3,230,433	-	-	-	-	-	-
SKIPJACK	24,665,775	2,535,638	-	-	-	-	-	-
YELLOWFIN	40,448,640	5,031,815	-	-	-	-	-	-
WAHOO	11,400	3,990	-	-	-	-	-	-
YELLOWTAIL	151,200	14,620	-	-	-	-	-	-
UNCLASSIFIED, FOR FOOD	45,700	5,712	-	-	-	-	-	-
ABALONE	-	-	-	-	-	-	182,100	$73,183
TOTAL	87,714,415	11,039,512	4,501,100	98,626	192,300	87,381	182,100	73,183

SAN DIEGO DISTRICT OF CALIFORNIA - OPERATING UNITS, 1960

ITEM	PURSE SEINES AND LAMPARA NETS		POTS AND TRAPS		GILL NETS, DRIFT	
	TUNA	OTHER	CRAB	LOBSTER	BARRACUDA	SEA BASS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	137	25	-	2	16	29
ON BOATS AND SHORE	-	-	4	102	10	20
TOTAL	137	25	4	104	26	49
VESSELS, MOTOR	11	5	-	1	7	12
GROSS TONNAGE	3,294	134	-	13	126	226
BOATS, MOTOR	-	-	3	68	5	10
ACCESSORY BOATS	19	1	-	-	-	-
GEAR:						
NUMBER	11	5	150	4,155	12	22
LENGTH, YARDS	8,830	2,260	-	-	-	-
SQUARE YARDS	-	-	-	-	43,200	79,200

ITEM	LINES					
	HAND			LONG OR SET, ROCKFISHES	TROLL	
	ALBACORE	ROCKFISHES	YELLOWFIN		ALBACORE	OTHER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	225	3	368	16	327	14
ON BOATS AND SHORE	32	54	-	32	60	8
TOTAL	257	57	368	48	387	22
VESSELS, MOTOR	68	2	33	8	121	6
GROSS TONNAGE	2,002	32	7,861	119	2,733	130
BOATS, MOTOR	16	29	-	18	34	4
ACCESSORY BOATS	4	-	21	-	-	-
GEAR:						
NUMBER	257	58	368	214	1,428	78
HOOKS	257	116	368	21,400	1,428	78

ITEM	DIP, BRAIL, OR SCOOP NETS	HARPOONS, SWORDFISH	SHOVELS, CLAM	DIVING OUTFITS, ABALONE	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	22	-	2	958
ON BOATS AND SHORE	6	24	6	38	309
TOTAL	6	46	6	40	1,267
VESSELS, MOTOR	-	11	-	1	210
GROSS TONNAGE	-	188	-	9	14,532
BOATS, MOTOR	3	12	-	19	159
ACCESSORY BOATS	-	-	-	-	42
GEAR, NUMBER	6	23	6	20	-

SAN DIEGO DISTRICT OF CALIFORNIA - CATCH BY GEAR, 1960

SPECIES	PURSE SEINES AND LAMPARA NETS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE
BARRACUDA	21,000	$2,402	-	-
BONITO	18,200	889	-	-
MACKEREL, PACIFIC	17,900	870	-	-
SARDINE, PACIFIC	159,700	3,546	-	-
TUNA:				
BLUEFIN	646,700	78,378	-	-
SKIPJACK	10,062,000	1,057,518	-	-
YELLOWFIN	15,785,800	1,976,382	-	-
CRABS, ROCK	-	-	2,000	$52
LOBSTERS, SPINY	-	-	106,800	69,991
TOTAL	26,711,300	3,119,985	108,800	70,043

SPECIES	GILL NETS		LINES	
	POUNDS	VALUE	POUNDS	VALUE
BARRACUDA	12,000	$1,372	10,100	$1,159
FLOUNDERS:				
CALIFORNIA HALIBUT	3,000	776	54,600	14,097
"SOLE", UNCLASSIFIED	-	-	100	18
FLYING FISH	400	137	-	-
GROUPER	-	-	29,000	5,379
KING CROAKER	200	16	-	-
ROCKFISHES	-	-	226,500	21,927
SALMON, CHINOOK OR KING	-	-	200	122
SCULPIN	-	-	5,200	1,298
SEA BASS:				
BLACK	-	-	36,100	4,880
WHITE	187,700	45,966	14,200	3,476
SHARKS	184,500	19,132	11,800	1,234
SHEEPSHEAD	-	-	2,600	204
SWORDFISH	-	-	4,000	1,736
TUNA:				
ALBACORE	-	-	4,928,100	767,309
SKIPJACK	-	-	3,354,000	352,505
YELLOWFIN	-	-	4,985,000	624,124
WAHOO	-	-	4,500	1,347
YELLOWTAIL	-	-	80,900	6,808
UNCLASSIFIED, FOR FOOD	-	-	2,000	190
TOTAL	387,800	67,399	13,748,900	1,807,813

SPECIES	DIP, BRAIL, OR SCOOP NETS		HARPOONS	
	POUNDS	VALUE	POUNDS	VALUE
FLYING FISH	400	$137	-	-
MACKEREL, PACIFIC	19,400	945	-	-
SWORDFISH	-	-	55,200	$23,890
TOTAL	19,800	1,082	55,200	23,890

SPECIES	SHOVELS		DIVING OUTFITS	
	POUNDS	VALUE	POUNDS	VALUE
ABALONE	-	-	94,200	$37,983
CLAMS, HARD	1,700	$2,983	-	-
TOTAL	1,700	2,983	94,200	37,983

LANDINGS BY HALIBUT FLEET AT SEATTLE, WASHINGTON

Landings of halibut at Seattle, Washington during 1960 by the United States halibut fleet amounted to 15.7 million pounds valued at $2.9 million--a decline from 1959 of 1.5 million pounds or 9 percent, and $800,000 or 22 percent.

Landings of halibut from fishing grounds west of Cape Spencer decreased 1.2 million pounds compared with 1959. Landings of sablefish from grounds south of Cape Spencer amounted to 2.7 million pounds--900,000 pounds more than in 1959.

The following tables contain a summary of the landings of dressed halibut at Seattle by the United States halibut fleet. These data are not directly comparable with the State and sectional tables showing the round weight of fish landed. For additional information on the Pacific Coast halibut fishery, the reader is referred to Section 11 of this publication, Review of Certain Major Fisheries.

LANDINGS BY THE HALIBUT FLEET AT SEATTLE, BY FISHING GROUNDS, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

FISHING GROUNDS	HALIBUT (DRESSED)						
	TRIPS	CHICKEN		MEDIUM		LARGE	
	NUMBER	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
WEST OF CAPE SPENCER	198	132	20	7,125	1,279	3,675	747
SOUTH OF CAPE SPENCER	301	990	149	2,621	522	299	66
TOTAL	499	1,122	169	9,746	1,801	3,974	813

FISHING GROUNDS	HALIBUT (DRESSED)-CONTINUED				SABLEFISH		TOTAL	
	NO. 2 MEDIUM		NO. 2 LARGE					
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
WEST OF CAPE SPENCER	658	92	142	24	-	-	11,732	2,162
SOUTH OF CAPE SPENCER	78	12	2	(1)	2,721	504	6,711	1,253
TOTAL	736	104	144	24	2,721	504	18,443	3,415

SEE NOTE AT END OF NEXT TABLE.

LANDINGS BY THE HALIBUT FLEET AT SEATTLE, BY MONTHS, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

MONTHS	HALIBUT (DRESSED)						
	TRIPS	CHICKEN		MEDIUM		LARGE	
	NUMBER	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
APRIL	18	22	3	894	166	137	30
MAY	93	234	35	3,068	545	1,228	232
JUNE	93	417	64	2,601	471	1,143	229
JULY	68	288	43	1,755	326	952	206
AUGUST	64	32	5	672	129	324	72
SEPTEMBER	76	128	19	566	120	124	29
OCTOBER	67	1	(1)	165	38	66	15
NOVEMBER	20	-	-	25	6	-	-
TOTAL	499	1,122	169	9,746	1,801	3,974	813

MONTHS	HALIBUT (DRESSED)-CONTINUED				SABLEFISH		TOTAL	
	NO. 2 MEDIUM		NO. 2 LARGE					
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
APRIL	48	7	3	1	-	-	1,104	207
MAY	175	24	28	4	6	1	4,739	841
JUNE	190	26	40	6	12	2	4,403	798
JULY	172	24	48	9	46	8	3,261	616
AUGUST	117	17	22	4	621	120	1,788	347
SEPTEMBER	22	4	1	(1)	853	156	1,694	328
OCTOBER	12	2	2	(1)	950	173	1,196	228
NOVEMBER	-	-	-	-	233	44	258	50
TOTAL	736	104	144	24	2,721	504	18,443	3,415

1/ LESS THAN $500.

NOTE:--THE 1960 HALIBUT FISHING SEASON OPENED ON APRIL 1, IN AREA 3B ONLY, (WATERS WEST OF AREA 3A INCLUDING THE BERING SEA) AND ON MAY 1, IN ALL OTHER AREAS. AREA 1A (SOUTH OF HECETA HOOD IN OREGON), AREA 1B (BETWEEN HECETA HOOD AND WILLAPA BAY IN WASHINGTON), AREA 2 (BETWEEN WILLAPA BAY AND CAPE SPENCER, ALASKA), AND AREA 3A (BETWEEN CAPE SPENCER AND SHUMAGIN ISLANDS, ALASKA). ALL AREAS OPENED OR CLOSED AT 6 A.M. PACIFIC STANDARD TIME. THE FIRST SEASON IN AREA 2 AND 1B CLOSED ON JULY 31, AND OPENED AGAIN ON SEPTEMBER 11, WITH A 7-DAY NO CATCH LIMIT SEASON. AREA 3A CLOSED TO HALIBUT FISHING ON JULY 25, AND REMAINED CLOSED. AREA 3B CLOSED TO REGULAR HALIBUT FISHING ON OCTOBER 16.

WHALING

A total of 271 whales was taken off California in 1960--38 less than in 1959. The catch was processed into 3 million pounds of whale meal, 4 million pounds of whale meat, and 3.3 million pounds of sperm and whale oil. These products were valued at $672,000 to the processors. Compared with the previous year, this was a decrease of 10 percent in volume and 23 percent in value.

The whales were captured by five harpoon vessels. They operated largely within a 100-mile radius of the two shore stations at Point San Pablo on San Francisco Bay. When the 1960 season opened on April 16 (15 days ahead of previous seasons), it was believed that more daylight hours and better weather early in the season would permit a higher catch. Unfortunately, a combination of bad weather and a scarcity of whales resulted in a low catch. The season closed on October 15 to comply with the International Convention for the Regulation of Whaling which limits shore stations to a consecutive 6-month season each year for baleen whales.

The 138 fin whales taken accounted for slightly more than one-half the 1960 catch. The remainder of the catch was composed of 1 blue, 2 bottlenose, 16 sperm, 47 sei, and 67 humpback whales. The catch of fin whales, the preferred species, was up considerably compared with the previous year, and the catch of sei whales was the highest since operations resumed in 1956.

The whaling companies operated primarily to obtain whale meat. This meat, when ground, was packed into 50-pound bags and frozen for sale to mink ranches. Large amounts were also sold for use in canned pet food. In 1960, due to a steadily increasing demand, the price of whale meat remained high.

WHALE CATCH, 1960

MONTH	BLUE	BOTTLENOSE	FIN	HUMPBACK	SEI	SPERM	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
APRIL	-	-	2	15	-	2	19
MAY	-	-	33	20	-	2	55
JUNE.	-	-	16	8	-	1	25
JULY.	-	-	12	8	3	6	29
AUGUST.	-	-	23	12	26	3	64
SEPTEMBER	1	1	51	1	14	1	69
OCTOBER	-	1	1	3	4	1	10
TOTAL.	1	2	138	67	47	16	271

WHALE PRODUCTS, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

ITEM	QUANTITY	VALUE
MEAL	2,973	135
MEAT	4,010	362
OIL:		
SPERM.	170	10
WHALE.	3,109	165
TOTAL	10,262	672

NOTE:--TO CONVERT POUNDS OF OIL TO GALLONS, DIVIDE BY 7.5.

PACIFIC COAST FISHERIES

FUR SEAL INDUSTRY OF THE PRIBILOF ISLANDS

A total of 40,616 sealskins was harvested on the Pribilof Islands in 1960, the smallest take for any year since 1929, except 1942, when sealing operations were suspended because of World War II. During the season which extended from June 27 to August 15, the take consisted of 36,320 male and 4,296 female skins compared with 30,176 male and 27,634 female skins harvested during the 1959 season.

It had been anticipated that the take of skins during 1960 would be below average. Although no dependable means of predicting the volume of 3-year-old males (the principal group taken) has been developed, indications supported an estimate that 25,000 to 45,000 would be available for killing. The low abundance of 3-year-olds in the 1959 kill indicated there would be a serious shortage in 1960 of 4-year-olds, which normally account for 40 percent of the take. In addition to the males, 17,500 cows were to be removed in a herd reduction program designed to increase survival of seals to commercial size by curtailing competition from overage animals and reducing other effects of overabundance.

By the end of the scheduled season on July 31, only 22,936 seals had been taken. Because the favored position of sealskins on the market was being jeopardized by protracted scarcity and since the abundance of 3-year-old bachelor seals on the hauling grounds kept progressively increasing beyond the normal season peak July 22-25, it was decided to continue the harvest until either the abundance of commercial-grade seals ceased climbing or 2-year-olds arrived in strength.

These plans never came to fruition, however, because of an unexpected early onset of staginess (a condition preliminary to moult) which lessens quality. Accordingly, the male kill on St. Paul Island was abruptly terminated after August 7, and after August 10 on St. George, where staginess appeared less advanced. In mid-July, plans for taking cows for herd reduction purposes were discontinued when it became clear that the desired lower abundance had been achieved through natural causes. However, to secure scientific information, 250 cows on St. Paul Island and 100 on St. George Island were killed each day after termination of the taking of males. All killing was discontinued after August 15.

Among general observations on features of the 1960 season were the following:

(1) The annual count of mature bulls, both idle and harem masters, was comparable to recent years. Thus, the number of harems had not decreased. Further indicating the ample reserve of male breeding stock was the noticeably large proportion of oversize males of all ages rejected from the drives each morning. This may have been partly an illusion resulting from the relatively smaller number of killable sizes present. However, it appeared evident that more males had been spared from the kill, over a period of many years, than has been necessary.

(2) The total areas occupied by harems on all rookeries were less than in previous seasons. Comparison of a series of 1960 photos with a set made in 1948 showed quite clearly smaller harem coverage. Female skins within the desired killable size range were noticeably scarce during the late-season research drives, which corresponded to the reduced abundance of 3- and 4-year-old males in recent years. It was evident that the average size of harems was below that of earlier years.

(3) The season, as measured by the availability of 3-year-old bachelors, was definitely later than the average.

(4) Pup mortality, which seems to be an inverse barometer of subsequent survival at sea, was counted at 62,828 on all St. Paul rookeries. This compares with 40,000 in 1959 and an average of 75,000 for the 6 previous years.

CLASSES OF SEALS TAKEN ON THE PRIBILOF ISLANDS, BY AGE AND OVERALL MEASUREMENT, 1960

ITEM	ST. PAUL ISLAND		ST. GEORGE ISLAND		TOTAL		GRAND TOTAL
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
BY AGE:							
2-YEAR-OLDS	1,977	19	431	-	2,408	19	2,427
3-YEAR-OLDS	24,283	253	5,098	28	29,381	281	29,662
4-YEAR-OLDS	2,762	466	1,387	96	4,149	562	4,711
5-YEAR-OLDS	115	760	260	201	375	961	1,336
6-YEAR-OLDS	-	478	7	122	7	600	607
7-YEAR-OLDS	-	296	-	85	-	381	381
8-YEAR-OLDS	-	271	-	103	-	374	374
9-YEAR-OLDS	-	222	-	90	-	312	312
10-YEAR-OLDS AND OLDER	-	529	-	293	-	822	822
LESS REJECTS	-	-16	-	-	-	-16	-16
TOTAL	29,137	3,278	7,183	1,018	36,320	4,296	40,616
BY MEASUREMENT:							
GROUP I-UP TO 36.75 IN.	-	-	-	-	-	-	-
GROUP II-37 TO 40.75 IN.	698	-	172	-	870	-	870
GROUP III-41 TO 45.75 IN.	26,819	-	6,652	-	33,471	-	33,471
GROUP IV -46 TO 51.75 IN.	1,618	-	354	-	1,972	-	1,972
GROUP V -52 TO 57.75 IN.	2	-	5	-	7	-	7
UNCLASSIFIED	-	3,278	-	1,018	-	4,296	4,296
TOTAL	29,137	3,278	7,183	1,018	36,320	4,296	40,616

NOTE:--AGE WAS DETERMINED BY COUNTING GROWTH RIDGES ON CANINE TEETH OF A 10% SAMPLE OF KILLED ANIMALS. MEASUREMENTS ARE OVERALL LENGTHS TAKEN ON THE KILLING FIELD.

DISTRIBUTION OF TAKE OF SEALSKINS, 1960

The fur seal treaty specifies that Canada and Japan are to receive 15 percent each of the skins taken on the Pribilof Islands. To insure an impartial selection of their respective 15 percent, Canada made a random choice of numbers 7-13-19 and Japan, 2-4-6 out of each 20 barrels of sealskins. This resulted in the following allocation of skins to the United States, Canada, and Japan:

ITEM	UNITED STATES	CANADA	JAPAN	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER
MALE SKINS:				
ST. PAUL ISLAND	20,395	4,371	4,371	29,137
ST. GEORGE ISLAND	5,029	1,077	1,077	7,183
TOTAL MALE SKINS	25,424	5,448	5,448	36,320
FEMALE SKINS:				
ST. PAUL ISLAND	2,296	491	491	3,278
ST. GEORGE ISLAND	712	153	153	1,018
TOTAL FEMALE SKINS	3,008	644	644	4,296
TOTAL SKINS:				
ST. PAUL ISLAND	22,691	4,862	4,862	32,415
ST. GEORGE ISLAND	5,741	1,230	1,230	8,201
GRAND TOTAL	28,432	6,092	6,092	40,616

SALE OF SEALSKINS, 1960

Two public auctions of sealskins were held in St. Louis, Missouri, in 1960 where 50,771 skins were sold for the account of the United States Government. Gross receipts from the two auctions amounted to $4.8 million. The offerings consisted of 44,433 conventionally processed skins which yielded $4.6 million and 6,338 sheared skins which sold for $228,464. These were the first sheared "Lakoda" skins offered for sale. The average price of less than $36 per skin was far below the $103 received for conventionally processed skins. An additional 40 conventionally processed and 44 sheared "Lakoda" skins were sold at private sales for promotional purposes. These yielded $4,534 and $1,741, respectively.

PRODUCTION OF FUR SEAL MEAL AND OIL, 1960

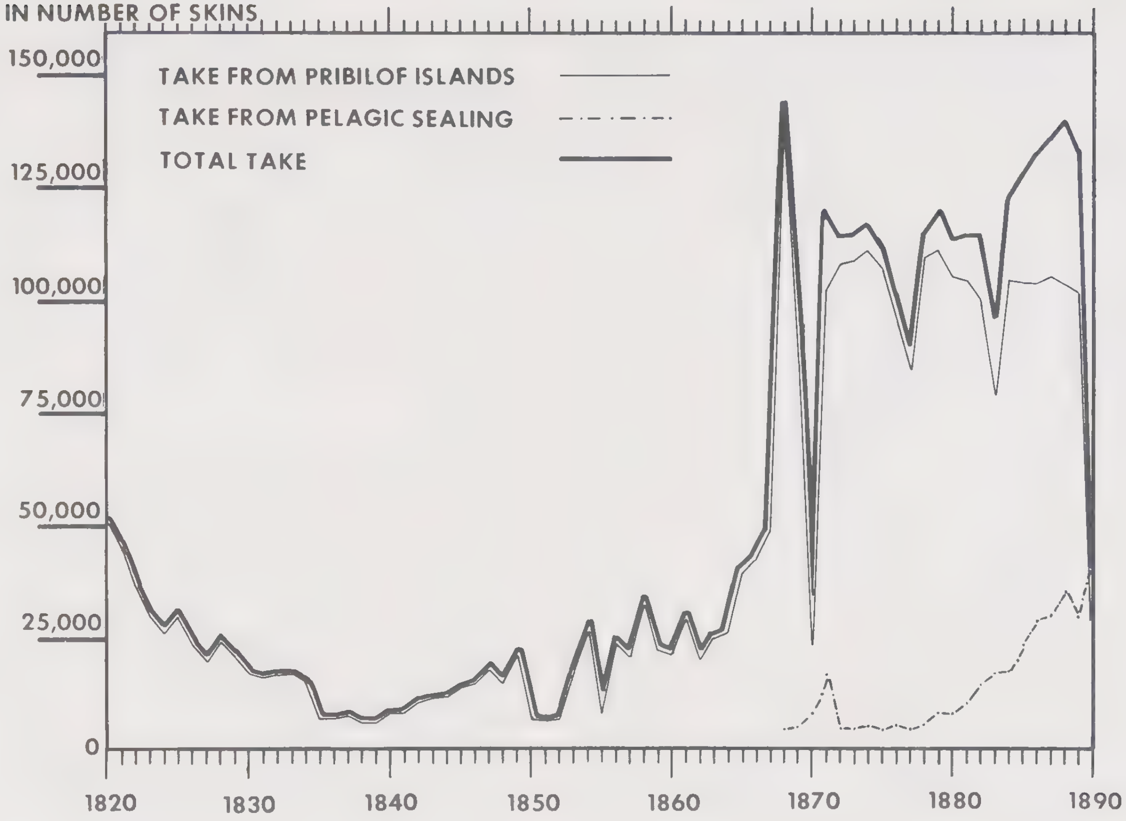
The operation of the reduction plant on St. Paul Island was terminated August 5 because of an equipment breakdown. A total of 26,026 carcasses was processed into meal and oil. In addition, 58 barrels of 55 pounds each of salted blubber were packed for the use of the Fouke Fur Company in treating sealskins.

ITEM		QUANTITY	VALUE
MEAL	TONS	166	$8,520
OIL	GALLONS	22,300	5,631

DISTRIBUTION OF PRIBILOF ISLANDS RECEIPTS, FISCAL YEAR 1960

ITEM	AMOUNT
COST OF HANDLING, DRESSING, DYEING, AND SELLING PRODUCTS. .	$1,590,574
COST OF ADMINISTRATION OF THE PRIBILOF ISLANDS.	1,720,402
PAYMENT TO THE STATE OF ALASKA.	1,050,002
NET RECEIPTS TO THE UNITED STATES GOVERNMENT.	450,001
TOTAL	4,810,979

TAKE OF PRIBILOF ISLANDS FUR SEALS, 1820 - 1960



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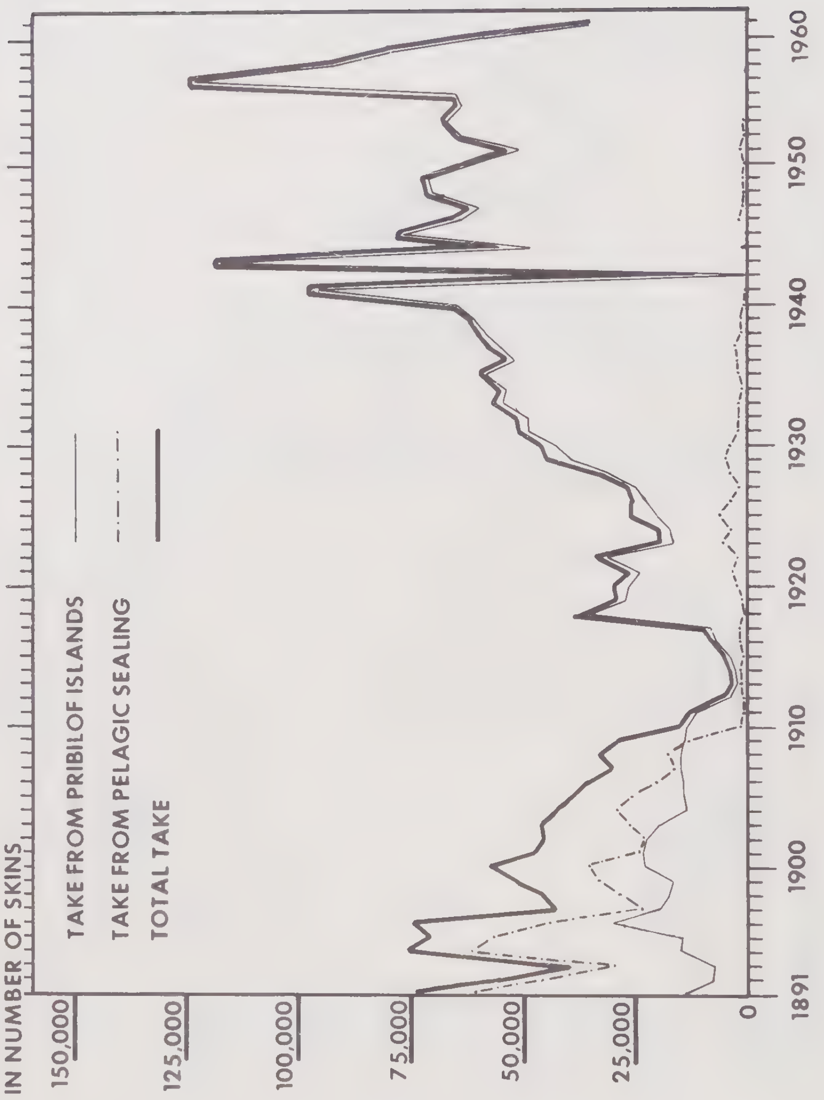


TAKE OF PRIBILOF ISLANDS FUR SEALS, 1820 - 1960 - Continued

SECTION 8 - GREAT LAKES FISHERIES

The 1960 United States and Canadian commercial catch of fishery products in the Great Lakes, Lake St. Clair, and the International Lakes of northern Minnesota amounted to 110 million pounds. This was about 755,000 pounds more than in 1959. Domestic landings accounted for 62 percent of the landings.

United States fishermen took 68 million pounds of fish valued at over $7 million from these lakes in 1960. The volume landed was 2.4 million pounds or 4 percent larger than in 1959, while the total value received by fishermen remained about the same.

Canadian landings (42 million pounds) were nearly 2 million pounds less. More than 46 percent of the United States-Canadian catch from these lakes was taken in Lake Erie, while 22 percent and 15 percent came from Lakes Michigan and Superior, respectively.

Landings of smelt, lake herring, and yellow perch declined sharply, while slighter decreases were noted in the production of lake trout and yellow pike. The 1960 harvest was bolstered by a large increase in the catch of chubs and alewives. Landings of catfish, sheepshead, suckers, white bass, and whitefish were above the amounts landed in 1959.

In 1960, Lake Michigan (24.3 million pounds) was the leading contributor to the United States' catch with 3.5 million pounds more than in the previous year. Lake Erie, the 1959 leader, yielded a catch of 21.3 million pounds--1.2 million pounds less than in 1959. Lake Superior landings were down 1.2 million pounds. Catches in other lakes were virtually unchanged from the previous year.

Michigan led other States in production with a catch of 25 million pounds--nearly 3 million pounds more than in 1959. Wisconsin (18.4 million pounds) was in second place, exceeding the previous year's catch by 1.6 million pounds. Ohio (18 million pounds) landings were down 1.5 million pounds.

In 1960, a total of 3,811 men, 498 vessels of 5 net tons and over, and 1,461 other craft was employed in the commercial fisheries of this area. The number of vessels dropped 13 from the previous year. As a result of the poor economic condition of the Great Lakes fisheries for a number of years, there has been a steady decline in the number of vessels operated on the Lakes. Since 1950, the number of vessels fishing has dropped from 661 to 498--a decrease of 163 craft or 25 percent.

The composition of stocks of fishes in the Great Lakes continued to change in favor of introduced species with little market value or demand. The alewife continued its expansion throughout the Lakes. This species was taken by commercial fishermen in Lake Superior for the first time in 1960. The change in composition is caused partly by the decimation of some native species by the lamprey, partly by selective fishing for the remaining high value species, and partly by changing physical conditions in the lakes which provided a more favorable habitat for less desirable fish. Because introduced species were able to reproduce in enormous numbers and feed on microscopic plants and animals, they are now present in greater volume than were the fish formerly predominant in these waters. Biologists believe the Great Lakes now contain a greater weight of fish than ever before in the history of the fishery.

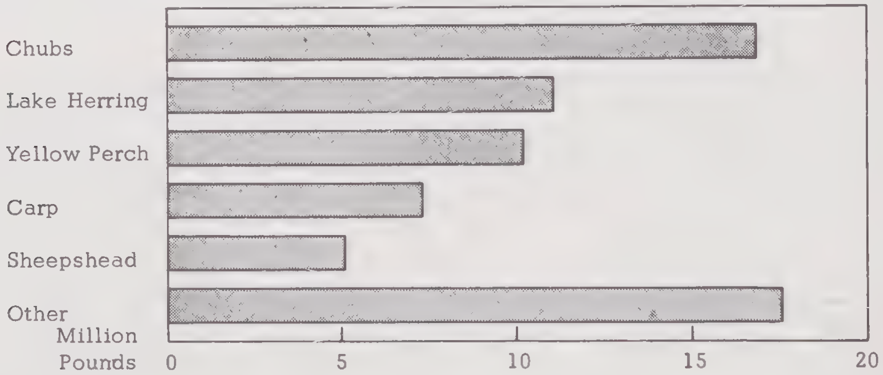
An important Bureau accomplishment on the Great Lakes has been the encouragement of otter trawling to replace less efficient gear. In 1960, 21 vessels engaged in this fishery--a gain of 11 vessels over 1959. Trawling received more attention and was well on its way to becoming an accepted method of fishing. Large quantities of fish were produced that would not have been harvested if traditional fishing methods had been used. While most of the fish were low valued species and sold for animal food, some were suitable for human consumption.

GREAT LAKES FISHERIES

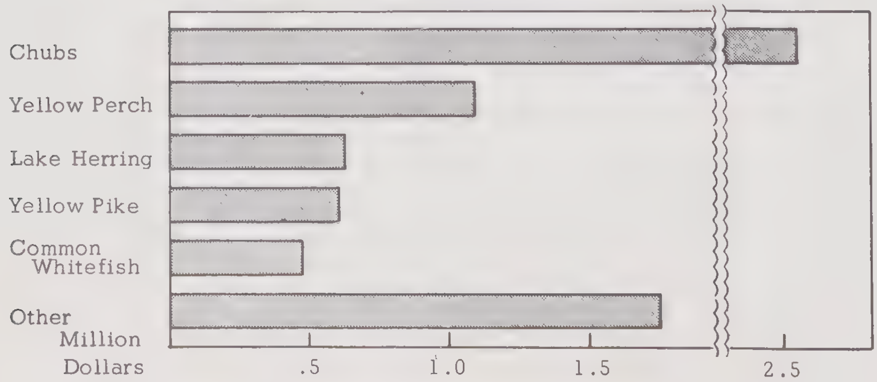
The lamprey control program in Lake Superior was continued. The application of selective toxicants to the tributaries of this lake for the destruction of sea lamprey larvae was completed during 1960. The effectiveness of the treatments gave cause for optimism as to the success of chemical control. Operation of electrical barriers in selected tributary streams should give a measure of the reduction of sea lamprey stocks in Lake Superior. Effects of the treatment should be detectable in the 1961 spawning run; the 1962 records can be held conclusive. Lake Michigan streams are to begin undergoing treatment in 1961.

Much of the data in this section was assembled and prepared for publication by the Bureau's Branch of Statistics and Branch of Inland Fisheries from information collected by the following agencies: Dominion Bureau of Statistics of Canada; Illinois Department of Conservation; Indiana Department of Conservation, Division of Fish and Game; Michigan Department of Conservation; Minnesota Department of Conservation; New York Conservation Department, Division of Fish and Game; Ohio Department of Natural Resources, Division of Wildlife, Section of Fish Management; Pennsylvania Fish Commission; and Wisconsin Conservation Department.

Condensed summary data on the operating units and catch of the Great Lakes fisheries appearing on the following pages have previously been published in Current Fishery Statistics No. 2796. Seasonal variations in the catch of fish landed in Ohio can be ascertained from monthly landing bulletins issued currently in cooperation with the Ohio Department of Natural Resources, Section of Fish Management. Additional specific data on many aspects of the Great Lakes fisheries may be found in the daily, monthly, and annual reports published by the Bureau's Chicago Fishery Market News office.



GREAT LAKES CATCH, 1960



VALUE OF GREAT LAKES CATCH, 1960

SUMMARY OF UNITED STATES AND CANADIAN CATCH, 1960

(THOUSANDS OF POUNDS)

SPECIES	LAKE ONTARIO			LAKE ERIE			LAKE ST. CLAIR
	UNITED STATES	CANADA	TOTAL	UNITED STATES	CANADA	TOTAL	CANADA
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
BLUE PIKE	4	1	5	8	4	12	-
BOWFIN	3	16	19	(2)	57	57	5
BUFFALOFISH	-	-	-	41	-	41	-
BULLHEADS	86	249	335	44	38	82	5
BURBOT	1	(2)	1	24	7	31	-
CARP	22	310	332	4,572	304	4,876	165
CATFISH	2	31	33	1,619	164	1,783	84
CHUBS	(2)	1	1	-	(2)	(2)	-
CISCO	9	-	9	12	6	18	-
CRAPPIE	1	-	1	-	-	-	-
EELS, COMMON	28	128	156	-	(2)	(2)	-
GARFISH	(2)	-	(2)	-	-	-	-
GIZZARD SHAD	-	-	-	1	-	1	-
GOLDFISH	-	-	-	198	-	198	-
LAKE HERRING	-	74	74	-	-	-	-
LAKE TROUT	5	1	6	-	(2)	(2)	-
MOONEYE	-	-	-	2	-	2	-
PIKE OR PICKEREL	-	43	43	2	(2)	2	15
ROCK BASS	2	32	34	2	37	39	14
SAUGER	(2)	(2)	(2)	2	2	4	4
SHEEPSHEAD	(2)	16	16	5,099	1,468	6,567	24
SMELT	(2)	188	188	28	11,467	11,495	-
STURGEON	1	9	10	(2)	5	5	13
SUCKERS	12	36	48	250	77	327	113
SUNFISH	16	136	152	-	26	26	17
WHITE BASS	8	9	17	1,778	3,255	5,033	26
WHITEFISH:							
COMMON	20	397	417	15	20	35	-
MENOMINEE	-	(2)	(2)	-	-	-	-
WHITE PERCH	1	-	1	-	-	-	-
YELLOW PERCH	37	155	192	6,390	11,663	18,053	36
YELLOW PIKE	(2)	126	126	1,171	619	1,790	138
TOTAL	258	1,958	2,216	21,258	29,219	50,477	659

SPECIES	LAKE HURON			LAKE MICHIGAN	LAKE SUPERIOR		
	UNITED STATES	CANADA 1/	TOTAL	UNITED STATES	UNITED STATES	CANADA	TOTAL
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
ALEWIVES	12	-	12	2,369	(2)	-	-
BOWFIN	1	84	85	-	-	-	-
BUFFALOFISH	(2)	-	(2)	-	-	-	-
BULLHEADS	3	(2)	3	14	-	-	-
BURBOT	-	2	2	2	2	7	9
CARP	1,333	70	1,403	1,416	(2)	(2)	(2)
CATFISH	278	29	307	2	(2)	-	(2)
CHUBS	2,936	1,530	4,466	12,659	1,259	103	1,362
CRAPPIE	3	-	3	1	-	-	-
GARFISH	-	-	-	(2)	-	-	-
LAKE HERRING	45	23	68	232	10,806	2,117	12,923
LAKE TROUT	-	2	2	(2)	380	122	502
PIKE OR PICKEREL	130	27	157	35	1	3	4
ROCK BASS	9	1	10	1	-	-	-
SAUGER	(2)	1	1	(2)	(2)	19	19
SHEEPSHEAD	52	27	79	7	-	-	-
SMELT	78	3	81	3,267	947	1	948
STURGEON	1	15	16	1	(2)	11	11
SUCKERS	454	167	621	767	69	27	96
WHITE BASS	16	12	28	3	-	-	-
WHITEFISH:							
COMMON	339	929	1,268	124	284	99	383
MENOMINEE	3	8	11	6	20	54	74
YELLOW PERCH	509	881	1,390	3,285	2	16	18
YELLOW PIKE	136	311	447	118	1	249	250
CRAWFISH	-	-	-	2	-	-	-
TOTAL	6,338	4,122	10,460	24,311	13,771	2,828	16,599

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF UNITED STATES AND CANADIAN CATCH, 1960 - Continued

(THOUSANDS OF POUNDS)

SPECIES	TOTAL, GREAT LAKES			NAMAKAN LAKE		
	UNITED STATES	CANADA	TOTAL	UNITED STATES	CANADA	TOTAL
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
ALEWIVES	2,381	-	2,381	-	-	-
BLUE PIKE	12	5	17	-	-	-
BOWFIN	4	162	166	-	-	-
BUFFALOFISH	41	-	41	-	-	-
BULLHEADS	147	292	439	-	-	-
BURBOT	29	16	45	1	1	2
CARP	7,343	849	8,192	-	-	-
CATFISH	1,901	308	2,209	-	-	-
CHUBS	16,854	1,634	18,488	-	-	-
CISCO	21	6	27	-	-	-
CRAPPIE	5	-	5	-	-	-
EELS, COMMON	28	128	156	-	-	-
GARFISH	(2)	-	(2)	-	-	-
GIZZARD SHAD	1	-	1	-	-	-
GOLDFISH	198	-	198	-	-	-
LAKE HERRING	11,083	2,214	13,297	-	-	-
LAKE TROUT	385	125	510	-	-	-
MOONEYE	2	-	2	-	-	-
PIKE OR PICKEREL	168	88	256	-	2	2
ROCK BASS	14	84	98	-	(2)	(2)
SAUGER	2	26	28	-	-	-
SHEEPSHEAD	5,158	1,535	6,693	-	-	-
SMELT	4,320	11,659	15,979	-	-	-
STURGEON	3	53	56	-	2	2
SUCKERS	1,552	420	1,972	1	12	13
SUNFISH	16	179	195	-	-	-
TULLIBEE	-	-	-	2	4	6
WHITE BASS	1,805	3,302	5,107	-	-	-
WHITEFISH:						
COMMON	782	1,445	2,227	14	7	21
MENOMINEE	29	62	91	-	-	-
WHITE PERCH	1	-	1	-	-	-
YELLOW PERCH	10,223	12,751	22,974	-	-	-
YELLOW PIKE	1,426	1,443	2,869	-	5	5
CRAWFISH	2	-	2	-	-	-
TOTAL	65,936	38,786	104,722	18	33	51

SPECIES	RAINY LAKE			LAKE OF THE WOODS		
	UNITED STATES	CANADA	TOTAL	UNITED STATES	CANADA	TOTAL
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
BUFFALOFISH	-	-	-	1	-	1
BULLHEADS	-	-	-	10	45	55
BURBOT	35	101	136	330	301	631
CARP	-	-	-	-	(2)	(2)
LAKE TROUT	-	-	-	-	4	4
PIKE OR PICKEREL	9	119	128	32	289	321
QUILLBACK	-	-	-	(2)	-	(2)
ROCK BASS	-	8	8	-	16	16
SAUGER	-	1	1	46	49	95
STURGEON	-	6	6	-	-	-
SUCKERS	37	337	374	55	417	472
SUNFISH	-	-	-	-	(2)	(2)
TULLIBEE	26	124	150	1,287	147	1,434
WHITEFISH, COMMON	34	59	93	(2)	150	150
YELLOW PERCH	(2)	1	1	15	15	30
YELLOW PIKE	28	187	215	344	777	1,121
TOTAL	169	943	1,112	2,120	2,210	4,330

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF UNITED STATES AND CANADIAN CATCH, 1960 - Continued

(THOUSANDS OF POUNDS)

SPECIES	TOTAL, INTERNATIONAL LAKES			GRAND TOTAL, ALL LAKES		
	UNITED STATES	CANADA	TOTAL	UNITED STATES	CANADA	TOTAL
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
ALEWIVES	-	-	-	2,381	-	2,381
BLUE PIKE	-	-	-	12	5	17
BOWFIN	-	-	-	4	162	166
BUFFALOFISH	1	-	1	42	-	42
BULLHEADS	10	45	55	157	337	494
BURBOT	366	403	769	395	419	814
CARP	-	-	-	7,343	849	8,192
CATFISH	-	-	-	1,901	308	2,209
CHUBS	-	-	-	16,854	1,634	18,488
CISCO	-	-	-	21	6	27
CRAPPIE	-	-	-	5	-	5
EELS, COMMON	-	-	-	28	128	156
GARFISH	-	-	-	(2)	-	(2)
GIZZARD SHAD	-	-	-	1	-	1
GOLDFISH	-	-	-	198	-	198
LAKE HERRING	-	-	-	11,083	2,214	13,297
LAKE TROUT	-	4	4	385	129	514
MOONEYE	-	-	-	2	-	2
PIKE OR PICKEREL	41	410	451	209	498	707
QUILLBACK	-	-	-	(2)	-	(2)
ROCK BASS	-	24	24	14	108	122
SAUGER	46	50	96	48	76	124
SHEEPSHEAD	-	-	-	5,158	1,535	6,693
SMELT	-	-	-	4,320	11,659	15,979
STURGEON	-	8	8	3	61	64
SUCKERS	93	766	859	1,645	1,186	2,831
SUNFISH	-	-	-	16	179	195
TULLIBEE	1,315	275	1,590	1,315	275	1,590
WHITE BASS	-	-	-	1,805	3,302	5,107
WHITEFISH:						
COMMON	48	216	264	830	1,661	2,491
MENOMINEE	-	-	-	29	62	91
WHITE PERCH	-	-	-	1	-	1
YELLOW PERCH	15	16	31	10,238	12,767	23,005
YELLOW PIKE	372	969	1,341	1,798	2,412	4,210
CRAWFISH	-	-	-	2	-	2
TOTAL	2,307	3,186	5,493	68,243	41,972	110,215

1/ LAKE HURON LANDINGS INCLUDE 198,820 POUNDS OF CHUBS VALUED AT $45,729 AND 9,860 POUNDS OF WHITEFISH VALUED AT $4,437 TAKEN IN UNITED STATES WATERS BY RESIDENTS OF THE PROVINCE OF ONTARIO USING STATE OF MICHIGAN LICENSES. THE FISH WERE LANDED AT ONTARIO PORTS.

2/ LESS THAN 500 POUNDS OR $500.

NOTE:--IN CANADA THE CATCHES OF ALEWIVES AND GARFISH HAVE BEEN INCLUDED WITH BOWFIN AND THE CATCH OF CRAPPIES WITH ROCK BASS.

SUMMARY OF UNITED STATES CATCH, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

STATE	TOTAL	
	QUANTITY	VALUE
NEW YORK	590	105
PENNSYLVANIA	1,015	113
OHIO	18,011	1,632
MICHIGAN	25,021	2,997
INDIANA	16	1
ILLINOIS	324	54
WISCONSIN	18,394	1,934
MINNESOTA	4,872	297
TOTAL	68,243	7,133

GREAT LAKES FISHERIES

SECTIONAL SUMMARIES

SUMMARY OF UNITED STATES OPERATING UNITS BY LAKES, 1960

ITEM	LAKE ONTARIO	LAKE ERIE	LAKE HURON
	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS	-	379	247
ON BOATS AND SHORE:			
REGULAR	-	204	40
CASUAL	73	461	279
TOTAL	73	1,044	566
VESSELS, MOTOR	-	128	81
GROSS TONNAGE 1/	-	1,620	1,535
BOATS:			
MOTOR	36	332	172
OTHER	2	89	47
ACCESSORY BOATS	-	86	30
GEAR:			
HAUL SEINES, COMMON	2	76	23
LENGTH, YARDS	230	64,520	12,530
OTTER TRAWLS, FISH	-	4	-
YARDS AT MOUTH	-	75	-
POUND NETS	-	6	19
TRAP NETS	51	2,092	607
HOOP AND FYKE NETS	48	54	44
GILL NETS:			
1-1/4 - 2 INCH MESH	-	-	1
SQUARE YARDS	-	-	100
2-1/8 - 3-7/8 INCH MESH	12	86	201
SQUARE YARDS	14,400	479,800	1,071,700
4 - 7 INCH MESH	4	96	31
SQUARE YARDS	3,600	547,800	134,500
7-1/8 - 14 INCH MESH	3	1	59
SQUARE YARDS	5,400	1,000	121,400
LINES:			
HAND	-	2	-
HOOKS	-	2	-
LONG OR SET WITH HOOKS	-	225	101
HOOKS	-	56,780	43,940

ITEM	LAKE MICHIGAN	LAKE SUPERIOR	LAKE OF THE WOODS, NAMAKAN LAKE, AND RAINY LAKE	GRAND TOTAL, EXCLUSIVE OF DUPLICATION, ALL LAKES
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	528	345	-	1,433
ON BOATS AND SHORE:				
REGULAR	82	64	38	428
CASUAL	727	371	39	1,950
TOTAL	1,337	780	77	3,811
VESSELS, MOTOR	187	125	-	498
GROSS TONNAGE 1/	4,016	2,018	-	8,595
BOATS:				
MOTOR	336	238	38	1,152
OTHER	28	11	4	181
ACCESSORY BOATS	12	6	-	128
GEAR:				
HAUL SEINES, COMMON	14	1	-	116
LENGTH, YARDS	8,390	280	-	85,950
OTTER TRAWLS, FISH	17	-	-	21
YARDS AT MOUTH	400	-	-	475
POUND NETS	254	115	11	405
TRAP NETS	162	28	23	2,897
HOOP AND FYKE NETS	390	1	7	544
GILL NETS:				
1-1/4 - 2 INCH MESH	50	5	-	56
SQUARE YARDS	14,890	3,000	-	17,990
2-1/8 - 3-7/8 INCH MESH	887	553	-	1,713
SQUARE YARDS	3,476,600	1,943,900	-	6,822,300
4 - 7 INCH MESH	170	325	181	806
SQUARE YARDS	689,600	2,650,300	102,600	4,124,800
7-1/8 - 14 INCH MESH	28	-	-	91
SQUARE YARDS	36,600	-	-	164,400
LINES:				
HAND	6	-	-	8
HOOKS	6	-	-	8
TROLL	1	62	-	63
HOOKS	2	62	-	64
LONG OR SET WITH HOOKS	2	-	-	328
HOOKS	735	-	-	101,455

1/ PREVIOUSLY THE TONNAGE REPORTED WAS NET TONS.

SUMMARY OF OPERATING UNITS BY STATES AND LAKES, 1960

ITEM	NEW YORK			PENNSYLVANIA	OHIO
	LAKE ONTARIO	LAKE ERIE	TOTAL, EXCLUSIVE OF DUPLICATION	LAKE ERIE	LAKE ERIE
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	-	-	-	75	311
ON BOATS AND SHORE:					
REGULAR	-	-	-	-	186
CASUAL.	73	8	81	9	388
TOTAL	73	8	81	84	885
VESSELS, MOTOR.	-	-	-	20	108
GROSS TONNAGE 1/.	-	-	-	227	1,401
BOATS:					
MOTOR	36	4	40	4	295
OTHER	2	-	2	-	72
ACCESSORY BOATS	-	-	-	2	77
GEAR:					
HAUL SEINES, COMMON	2	-	2	-	61
LENGTH, YARDS	230	-	230	-	54,120
OTTER TRAWLS, FISH.	-	-	-	-	4
YARDS AT MOUTH.	-	-	-	-	75
POUND NETS.	-	-	-	6	-
TRAP NETS	51	-	51	5	1,965
HOOP AND FYKE NETS.	48	-	48	-	20
GILL NETS:					
2-1/8 - 3-7/8 INCH MESH .	12	2	14	21	66
SQUARE YARDS.	14,400	1,000	15,400	204,200	361,800
4 - 7 INCH MESH	4	1	5	8	87
SQUARE YARDS.	3,600	4,000	7,600	116,800	448,500
7-1/8 - 14 INCH MESH. . .	3	1	4	-	-
SQUARE YARDS.	5,400	1,000	6,400	-	-
LINES, LONG OR SET WITH HOOKS.	-	-	-	-	224
HOOKS	-	-	-	-	56,280

ITEM	MICHIGAN				
	LAKE ERIE	LAKE HURON	LAKE MICHIGAN	LAKE SUPERIOR	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	28	247	264	231	725
ON BOATS AND SHORE:					
REGULAR	18	40	37	22	117
CASUAL.	56	279	401	238	974
TOTAL	102	566	702	491	1,816
VESSELS, MOTOR.	10	81	88	80	243
GROSS TONNAGE 1/.	114	1,535	1,945	1,344	4,675
BOATS:					
MOTOR	29	172	201	117	519
OTHER	17	47	14	4	82
ACCESSORY BOATS	10	30	6	2	43
GEAR:					
HAUL SEINES, COMMON	15	23	1	1	40
LENGTH, YARDS	10,400	12,530	460	280	23,670
OTTER TRAWLS, FISH.	-	-	6	-	6
YARDS AT MOUTH.	-	-	140	-	140
POUND NETS.	-	19	171	43	233
TRAP NETS	149	607	158	28	913
HOOP AND FYKE NETS.	34	44	35	1	114
GILL NETS:					
1-1/4 - 2 INCH MESH . . .	-	1	36	3	40
SQUARE YARDS.	-	100	11,700	600	12,400
2-1/8 - 3-7/8 INCH MESH .	5	201	413	354	954
SQUARE YARDS.	3,000	1,071,700	1,628,300	1,236,030	3,824,330
4 - 7 INCH MESH	2	31	93	196	322
SQUARE YARDS.	1,200	134,500	375,400	1,812,100	2,323,200
7-1/8 - 14 INCH MESH. . .	-	59	-	-	59
SQUARE YARDS.	-	121,400	-	-	121,400
LINES:					
HAND.	2	-	6	-	8
HOOKS	2	-	6	-	8
TROLL	-	-	1	62	63
HOOKS	-	-	2	62	64
LONG OR SET WITH HOOKS. .	1	101	2	-	104
HOOKS	500	43,940	735	-	45,175

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS BY STATES AND LAKES, 1960 - Continued

ITEM	INDIANA	ILLINOIS	WISCONSIN		
	LAKE MICHIGAN	LAKE MICHIGAN	LAKE MICHIGAN	LAKE SUPERIOR	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	3	-	285	112	397
ON BOATS AND SHORE:					
REGULAR	-	-	45	1	46
CASUAL.	7	2	317	19	336
TOTAL	10	2	647	132	779
VESSELS, MOTOR.	1	-	106	44	150
GROSS TONNAGE 1/.	79	-	2,300	678	2,978
BOATS:					
MOTOR	6	1	128	10	138
OTHER	-	-	14	3	17
ACCESSORY BOATS	-	-	6	4	10
GEAR:					
HAUL SEINES, COMMON	-	-	13	-	13
LENGTH, YARDS	-	-	7,930	-	7,930
OTTER TRAWLS, FISH.	1	-	12	-	12
YARDS AT MOUTH.	30	-	290	-	290
POUND NETS.	-	-	83	60	143
TRAP NETS	-	-	4	-	4
HOOP AND FYKE NETS.	-	-	355	-	355
GILL NETS:					
1-1/4 - 2 INCH MESH . . .	-	-	14	2	16
SQUARE YARDS.	-	-	3,190	2,400	5,590
2-1/8 - 3-7/8 INCH MESH .	6	1	477	91	568
SQUARE YARDS.	1,700	1,300	1,909,500	437,000	2,346,500
4 - 7 INCH MESH	-	-	77	121	198
SQUARE YARDS.	-	-	314,200	815,100	1,129,300
7-1/8 - 14 INCH MESH. . .	-	-	28	-	28
SQUARE YARDS.	-	-	36,600	-	36,600

ITEM	MINNESOTA		
	LAKE SUPERIOR	LAKE OF THE WOODS, NAMAKAN LAKE, AND RAINY LAKE	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS.	13	-	13
ON BOATS AND SHORE:			
REGULAR	41	38	79
CASUAL.	114	39	153
TOTAL	168	77	245
VESSELS, MOTOR.	5	-	5
GROSS TONNAGE 1/.	74	-	74
BOATS:			
MOTOR	111	38	149
OTHER	4	4	8
GEAR:			
POUND NETS.	12	11	23
TRAP NETS	-	23	23
HOOP AND FYKE NETS.	-	7	7
GILL NETS:			
2-1/8 - 3-7/8 INCH MESH .	113	-	113
SQUARE YARDS.	285,200	-	285,200
4 - 7 INCH MESH..	10	181	191
SQUARE YARDS.	45,300	102,600	147,900

1/ PREVIOUSLY REPORTED AS NET TONNAGE.

CATCH BY STATES, 1960

SPECIES	NEW YORK		PENNSYLVANIA		OHIO	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE	4,900	$1,831	400	$154	6,700	$2,675
BOWFIN	3,200	128	-	-	-	-
BUFFALOFISH	-	-	-	-	40,600	4,464
BULLHEADS	85,700	23,124	200	13	38,200	4,966
BURBOT	500	29	2,100	41	21,700	2,176
CARP	22,600	899	1,500	45	3,228,800	96,864
CATFISH	2,200	383	1,000	205	1,524,900	320,220
CHUBS	100	40	-	-	-	-
CISCO	10,100	3,359	4,400	1,316	6,500	1,685
CRAPPIE	800	96	-	-	-	-
EELS	28,300	4,241	-	-	-	-
GARFISH	(1)	(1)	-	-	-	-
GIZZARD SHAD	-	-	-	-	700	14
GOLDFISH	-	-	-	-	198,000	2,970
LAKE TROUT	4,500	2,674	-	-	-	-
MOONEYE	-	-	-	-	2,300	70
PIKE OR PICKEREL	-	-	-	-	1,400	299
ROCK BASS	2,700	190	-	-	-	-
SAUGER	(1)	(1)	(1)	5	1,500	211
SHEEPSHEAD	5,200	110	12,900	258	4,972,500	149,175
SMELT	500	33	500	30	27,600	3,867
STURGEON	800	900	100	127	100	129
SUCKERS	13,000	377	4,400	88	213,300	6,400
SUNFISH	15,700	1,416	-	-	-	-
WHITE BASS	73,000	3,491	196,900	11,815	1,417,600	255,163
WHITEFISH, COMMON	20,800	9,503	4,700	3,027	9,500	6,277
WHITE PERCH	1,000	61	-	-	-	-
YELLOW PERCH	233,800	31,876	778,800	93,451	5,296,900	423,755
YELLOW PIKE	60,200	19,851	6,800	2,323	1,002,200	350,780
TOTAL	589,600	104,612	1,014,700	112,898	18,011,000	1,632,160

SPECIES	MICHIGAN		INDIANA		ILLINOIS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	1,690,200	$33,805	-	-	-	-
BOWFIN	1,100	22	-	-	-	-
BUFFALOFISH	300	35	-	-	-	-
BULLHEADS	9,400	1,315	-	-	-	-
BURBOT	200	10	-	-	-	-
CARP	2,699,000	107,637	-	-	9,000	$268
CATFISH	370,100	82,325	-	-	-	-
CHUBS	6,812,300	1,319,861	10,700	$321	105,300	24,230
CRAPPIE	4,000	1,056	-	-	-	-
GARFISH	(1)	(1)	-	-	-	-
GIZZARD SHAD	500	10	-	-	-	-
LAKE HERRING	6,816,500	414,639	-	-	800	82
LAKE TROUT	269,100	142,646	-	-	-	-
PIKE OR PICKEREL	136,800	24,316	-	-	-	-
ROCK BASS	10,800	1,799	-	-	-	-
SAUGER	800	70	-	-	-	-
SHEEPSHEAD	160,500	4,293	-	-	-	-
SMELT	2,297,500	69,701	-	-	16,600	2,160
STURGEON	1,900	1,840	-	-	-	-
SUCKERS	793,800	40,992	-	-	-	-
WHITE BASS	115,100	14,137	-	-	-	-
WHITEFISH:						
COMMON	550,700	315,333	-	-	(1)	(1)
MENOMINEE	16,900	4,130	-	-	-	-
YELLOW PERCH	1,921,900	269,540	5,400	753	192,100	26,890
YELLOW PIKE	342,000	148,042	-	-	-	-
TOTAL	25,021,400	2,997,554	16,100	1,074	323,800	53,631

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1960 - Continued

SPECIES	WISCONSIN		MINNESOTA		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	691,200	$10,368	-	-	2,381,400	$44,173
BLUE PIKE	-	-	-	-	12,000	4,660
BOWFIN	-	-	-	-	4,300	150
BUFFALOFISH	-	-	1,100	$90	42,000	4,589
BULLHEADS	13,500	1,351	10,100	1,009	157,100	31,778
BURBOT	4,300	217	366,200	10,980	395,000	13,453
CARP	1,382,400	48,385	-	-	7,343,300	254,098
CATFISH	2,300	569	-	-	1,900,500	403,702
CHUBS	9,827,100	1,194,558	98,300	11,805	16,853,800	2,550,815
CISCO	-	-	-	-	21,000	6,360
CRAPPIE	-	-	-	-	4,800	1,152
EELS	-	-	-	-	28,300	4,241
GARFISH	-	-	-	-	(1)	(1)
GIZZARD SHAD	-	-	-	-	1,200	24
GOLDFISH	-	-	-	-	198,000	2,970
LAKE HERRING	2,402,700	130,463	1,863,100	93,100	11,083,100	638,284
LAKE TROUT	108,600	73,883	2,400	908	384,600	220,111
MOONEYE	-	-	-	-	2,300	70
PIKE OR PICKEREL	29,700	4,461	40,900	2,940	208,800	32,016
QUILLBACK	-	-	(1)	1	(1)	1
ROCK BASS	-	-	-	-	13,500	1,989
SAUGER	-	-	45,500	6,363	47,800	6,649
SHEEPSHEAD	6,600	198	-	-	5,157,700	154,034
SMELT	1,394,100	55,764	583,600	29,180	4,320,400	160,735
STURGEON	-	-	-	-	2,900	2,996
SUCKERS	508,700	25,436	111,500	2,588	1,644,700	75,881
SUNFISH	-	-	-	-	15,700	1,416
TULLIBEE	-	-	1,315,000	39,167	1,315,000	39,167
WHITE BASS	2,600	387	-	-	1,805,200	284,993
WHITEFISH:						
COMMON	196,200	127,546	48,300	13,516	830,200	475,203
MENOMINEE	12,300	2,810	-	-	29,200	6,940
WHITE PERCH	-	-	-	-	1,000	61
YELLOW PERCH	1,794,400	251,219	15,100	1,058	10,238,400	1,098,542
YELLOW PIKE	15,900	6,349	371,300	83,896	1,798,400	611,241
CRAWFISH	1,500	365	-	-	1,500	365
TOTAL	18,394,100	1,934,329	4,872,400	296,601	68,243,100	7,132,859

1/ LESS THAN 50 POUNDS OR 50 CENTS.

NOTE:--THE MICHIGAN CATCH DOES NOT INCLUDE 136,000 POUNDS OF CARP VALUED AT $2,817 AND 1,800 POUNDS OF CATFISH VALUED AT $361 TAKEN FROM LAKE ST. CLAIR UNDER THE MICHIGAN DEPARTMENT OF CONSERVATION'S ROUGH FISH REMOVAL PROGRAM, NOR 65,600 POUNDS OF CARP VALUED AT $3,765 AND 3,200 POUNDS OF SHEEPSHEAD VALUED AT $68 TAKEN FROM INLAND LAKES AND STREAMS.

CATCH BY LAKES AND STATES, 1960

SPECIES	LAKE ONTARIO		LAKE ERIE			
	NEW YORK		NEW YORK		PENNSYLVANIA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE	4,600	$1,746	300	$85	400	$154
BOWFIN	3,200	128	-	-	-	-
BULLHEADS	85,600	23,121	100	3	200	13
BURBOT	500	29	-	-	2,100	41
CARP	22,200	887	400	12	1,500	45
CATFISH	1,800	307	400	76	1,000	205
CHUBS	100	40	-	-	-	-
CISCO	8,700	2,868	1,400	491	4,400	1,316
CRAPPIE	800	96	-	-	-	-
EELS	28,300	4,241	-	-	-	-
GARFISH	(1)	(1)	-	-	-	-
LAKE TROUT	4,500	2,674	-	-	-	-
ROCK BASS	2,700	190	(1)	(1)	-	-
SAUGER	(1)	(1)	-	-	(1)	5
SHEEPSHEAD	100	8	5,100	102	12,900	258
SMELT	100	11	400	22	500	30
STURGEON	600	698	200	202	100	127
SUCKERS	11,700	351	1,300	26	4,400	88
SUNFISH	15,700	1,416	-	-	-	-
WHITE BASS	8,100	894	64,900	2,597	196,900	11,815
WHITEFISH, COMMON	20,000	8,993	800	510	4,700	3,027

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY LAKES AND STATES, 1960 - Continued

SPECIES	LAKE ONTARIO		LAKE ERIE			
	NEW YORK		NEW YORK		PENNSYLVANIA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
WHITE PERCH.	1,000	$61	-	-	-	-
YELLOW PERCH	37,400	6,350	196,400	$25,526	778,800	$93,451
YELLOW PIKE.	600	178	59,600	19,673	6,800	2,323
TOTAL.	258,300	55,287	331,300	49,325	1,014,700	112,898

SPECIES	LAKE ERIE - CONTINUED					
	OHIO		MICHIGAN		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE.	6,700	$2,675	-	-	7,400	$2,914
BOWFIN	-	-	200	$4	200	4
BUFFALOFISH.	40,600	4,464	300	29	40,900	4,493
BULLHEADS.	38,200	4,966	6,000	847	44,500	5,829
BURBOT	21,700	2,176	-	-	23,800	2,217
CARP	3,228,800	96,864	1,341,300	40,239	4,572,000	137,160
CATFISH.	1,524,900	320,220	92,700	15,759	1,619,000	336,260
CISCO.	6,500	1,685	-	-	12,300	3,492
GIZZARD SHAD	700	14	500	10	1,200	24
GOLDFISH	198,000	2,970	-	-	198,000	2,970
MOONEYE.	2,300	70	-	-	2,300	70
PIKE OR PICKEREL	1,400	299	1,100	242	2,500	541
ROCK BASS.	-	-	900	247	900	247
SAUGER	1,500	211	-	-	1,500	216
SHEEPSHEAD	4,972,500	149,175	108,000	3,240	5,098,500	152,775
SMELT.	27,600	3,867	-	-	28,500	3,919
STURGEON	100	129	-	-	400	458
SUCKERS.	213,300	6,400	30,700	1,227	249,700	7,741
WHITE BASS	1,417,600	255,163	99,100	11,893	1,778,500	281,468
WHITEFISH, COMMON.	9,500	6,277	(1)	5	15,000	9,819
YELLOW PERCH	5,296,900	423,755	117,900	11,786	6,390,000	554,518
YELLOW PIKE.	1,002,200	350,780	102,500	39,990	1,171,100	412,766
TOTAL.	18,011,000	1,632,160	1,901,200	125,518	21,258,200	1,919,901

SPECIES	LAKE HURON		LAKE MICHIGAN			
	MICHIGAN		MICHIGAN		INDIANA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	12,200	$244	1,678,000	$33,561	-	-
BOWFIN	900	18	-	-	-	-
BUFFALOFISH.	(1)	6	-	-	-	-
BULLHEADS.	2,900	378	500	90	-	-
BURBOT	-	-	(1)	(1)	-	-
CARP	1,333,400	66,670	24,200	726	-	-
CATFISH.	277,400	66,564	(1)	2	-	-
CHUBS.	2,936,100	704,673	3,405,800	530,515	10,700	$321
CRAPPIE.	2,900	762	1,100	294	-	-
GARFISH.	-	-	(1)	(1)	-	-
LAKE HERRING	44,600	5,797	84,400	7,594	-	-
LAKE TROUT	-	-	100	50	-	-
PIKE OR PICKEREL	130,400	23,471	4,800	531	-	-
ROCK BASS.	9,300	1,483	600	69	-	-
SAUGER	200	30	100	16	-	-
SHEEPSHEAD	52,400	1,048	100	5	-	-
SMELT.	77,600	3,104	2,190,400	65,712	-	-
STURGEON	1,100	988	600	665	-	-
SUCKERS.	454,100	27,202	286,300	11,445	-	-
WHITE BASS	16,000	2,244	-	-	-	-
WHITEFISH:						
COMMON	338,400	199,682	56,300	29,818	-	-
MENOMINEE.	3,200	1,446	5,700	1,248	-	-
YELLOW PERCH	508,700	76,309	1,293,700	181,118	5,400	753
YELLOW PIKE.	136,300	66,780	102,300	40,936	-	-
TOTAL.	6,338,100	1,248,899	9,135,000	904,395	16,100	1,074

SPECIES	LAKE MICHIGAN - CONTINUED					
	ILLINOIS		WISCONSIN		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	691,100	$10,366	2,369,100	$43,927
BULLHEADS.	-	-	13,500	1,351	14,000	1,441
BURBOT	-	-	2,200	110	2,200	110

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY LAKES AND STATES, 1960 - Continued

SPECIES	LAKE MICHIGAN - CONTINUED					
	ILLINOIS		WISCONSIN		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CARP	9,000	$268	1,382,400	$48,385	1,415,600	$49,379
CATFISH	-	-	2,300	569	2,300	571
CHUBS	105,300	24,230	9,137,500	1,035,948	12,659,300	1,591,014
CRAPPIE	-	-	-	-	1,100	294
GARFISH	-	-	-	-	(1)	(1)
LAKE HERRING	800	82	147,600	17,709	232,800	25,385
LAKE TROUT	-	-	(1)	2	100	52
PIKE OR PICKEREL	-	-	29,700	4,461	34,500	4,992
ROCK BASS	-	-	-	-	600	69
SAUGER	-	-	-	-	100	16
SHEEPSHEAD	-	-	6,600	198	6,700	203
SMELT	16,600	2,160	1,060,400	42,416	3,267,400	110,288
STURGEON	-	-	-	-	600	665
SUCKERS	-	-	480,500	24,027	766,800	35,472
WHITE BASS	-	-	2,600	387	2,600	387
WHITEFISH:						
COMMON	(1)	1	67,800	44,060	124,100	73,879
MENOMINEE	-	-	300	59	6,000	1,307
YELLOW PERCH	192,100	26,890	1,793,800	251,138	3,285,000	459,899
YELLOW PIKE	-	-	15,900	6,349	118,200	47,285
CRAWFISH	-	-	1,500	365	1,500	365
TOTAL	323,800	53,631	14,835,700	1,487,900	24,310,600	2,447,000

SPECIES	LAKE SUPERIOR							
	MICHIGAN		WISCONSIN		MINNESOTA		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	100	$2	-	-	100	$2
BURBOT	200	$10	2,100	107	-	-	2,300	117
CARP	100	2	(1)	(1)	-	-	100	2
CATFISH	(1)	(1)	-	-	-	-	(1)	(1)
CHUBS	470,400	84,673	689,600	158,610	98,300	$11,805	1,258,300	255,088
LAKE HERRING	6,687,500	401,248	2,255,100	112,754	1,863,100	93,100	10,805,700	607,102
LAKE TROUT	269,000	142,596	108,600	73,881	2,400	908	380,000	217,385
PIKE OR PICKEREL	500	72	-	-	-	-	500	72
SAUGER	500	24	-	-	-	-	500	24
SMELT	29,500	885	333,700	13,348	583,600	29,180	946,800	43,413
STURGEON	200	187	-	-	-	-	200	187
SUCKERS	22,700	1,118	28,200	1,409	17,600	350	68,500	2,877
WHITEFISH:								
COMMON	156,000	85,828	128,400	83,486	-	-	284,400	169,314
MENOMINEE	8,000	1,436	12,000	2,751	-	-	20,000	4,187
YELLOW PERCH	1,600	327	600	81	-	-	2,200	408
YELLOW PIKE	900	336	-	-	-	-	900	336
TOTAL	7,647,100	718,742	3,558,400	446,429	2,565,000	135,343	13,770,500	1,300,514

SPECIES	LAKE OF THE WOODS		NAMAKAN LAKE		RAINY LAKE		TOTAL, ALL LAKES	
	MINNESOTA		MINNESOTA		MINNESOTA			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	-	-	-	-	2,381,400	$44,173
BLUE PIKE	-	-	-	-	-	-	12,000	4,660
BOWFIN	-	-	-	-	-	-	4,300	150
BUFFALOFISH	1,100	$90	-	-	-	-	42,000	4,589
BULLHEADS	10,100	1,009	-	-	-	-	157,100	31,778
BURBOT	329,700	9,890	1,400	$40	35,100	$1,050	395,000	13,453
CARP	-	-	-	-	-	-	7,343,300	254,098
CATFISH	-	-	-	-	-	-	1,900,500	403,702
CHUBS	-	-	-	-	-	-	16,853,800	2,550,815
CISCO	-	-	-	-	-	-	21,000	6,360
CRAPPIE	-	-	-	-	-	-	4,800	1,152
EELS	-	-	-	-	-	-	28,300	4,241
GARFISH	-	-	-	-	-	-	(1)	(1)
GIZZARD SHAD	-	-	-	-	-	-	1,200	24
GOLDFISH	-	-	-	-	-	-	198,000	2,970
LAKE HERRING	-	-	-	-	-	-	11,083,100	638,284
LAKE TROUT	-	-	-	-	-	-	384,600	220,111
MOONEYE	-	-	-	-	-	-	2,300	70
PIKE OR PICKEREL	32,300	2,260	-	-	8,600	680	208,800	32,016
QUILLBACK	(1)	1	-	-	-	-	(1)	1
ROCK BASS	-	-	-	-	-	-	13,500	1,989
SAUGER	45,500	6,363	-	-	(1)	(1)	47,800	6,649

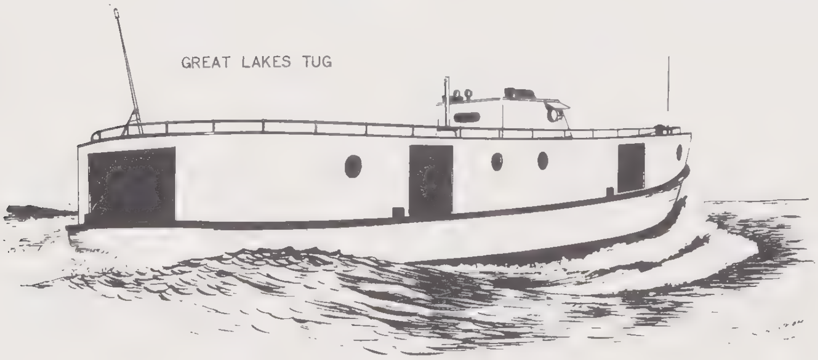
SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY LAKES AND STATES, 1960 - Continued

SPECIES	LAKE OF THE WOODS		NAMAKAN LAKE		RAINY LAKE		TOTAL, ALL LAKES	
	MINNESOTA		MINNESOTA		MINNESOTA			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SHEEPSHEAD	-	-	-	-	-	-	5,157,700	$154,034
SMELT	-	-	-	-	-	-	4,320,400	160,735
STURGEON	-	-	-	-	-	-	2,900	2,996
SUCKERS	55,700	$1,088	1,200	$40	37,000	$1,110	1,644,700	75,881
SUNFISH	-	-	-	-	-	-	15,700	1,416
TULLIBEE	1,287,100	38,612	1,300	25	26,600	530	1,315,000	39,167
WHITE BASS	-	-	-	-	-	-	1,805,200	284,993
WHITEFISH:								
COMMON	100	66	14,400	4,000	33,800	9,450	830,200	475,203
MENOMINEE	-	-	-	-	-	-	29,200	6,940
WHITE PERCH	-	-	-	-	-	-	1,000	61
YELLOW PERCH	15,000	1,050	-	-	100	8	10,238,400	1,098,542
YELLOW PIKE	343,600	75,596	-	-	27,700	8,300	1,798,400	611,241
CRAWFISH	-	-	-	-	-	-	1,500	365
TOTAL	2,120,200	136,025	18,300	4,105	168,900	21,128	68,243,100	7,132,859

1/ LESS THAN 50 POUNDS OR 50 CENTS.



GREAT LAKES TUG

MANUFACTURED FISHERY PRODUCTS, 1960

ITEM		NEW YORK		PENNSYLVANIA	
		QUANTITY	VALUE	QUANTITY	VALUE
CHUBS, SMOKED	POUNDS	(1)	(1)	-	-
EELS, SMOKED	DO	(1)	(1)	-	-
HERRING, SEA, SALTED	DO	(1)	(1)	-	-
LAKE TROUT, FILLETS:					
FRESH	DO	(1)	(1)	-	-
FROZEN	DO	(1)	(1)	-	-
SABLEFISH, SMOKED	DO	(1)	(1)	-	-
SALMON, SMOKED	DO	(1)	(1)	-	-
SAUGER FILLETS:					
FRESH	DO	(1)	(1)	-	-
FROZEN	DO	(1)	(1)	-	-
WHITE BASS, FRESH AND FROZEN FILLETS	DO	4,000	$1,825	13,605	$4,481
WHITEFISH:					
FILLETS:					
FRESH	DO	(1)	(1)	(1)	(1)
FROZEN	DO	-	-	(1)	(1)
SMOKED	DO	(1)	(1)	-	-
YELLOW PERCH FILLETS:					
FRESH	DO	41,200	16,670	135,185	61,553
FROZEN	DO	14,200	5,670	11,675	6,209
YELLOW PIKE FILLETS:					
FRESH	DO	25,700	20,064	13,209	10,736
FROZEN	DO	22,550	17,235	(1)	(1)
UNCLASSIFIED PRODUCTS:					
PACKAGED, FRESH AND FROZEN, FISH FILLETS, STEAKS, AND PORTIONS (NOT BREADED) 2/	DO	204,500	103,890	3,750	3,325
CURED FISH AND SHELLFISH 3/	DO	138,172	97,499	-	-
MISCELLANEOUS 4/	-	-	274,310	-	-
TOTAL	-	-	537,163	-	86,304

ITEM		OHIO		MICHIGAN	
		QUANTITY	VALUE	QUANTITY	VALUE
CHUBS, SMOKED	POUNDS	(1)	(1)	607,400	$275,100
EELS, SMOKED	DO	(1)	(1)	-	-
HERRING, LAKE:					
FILLETS:					
FRESH	DO	(1)	(1)	23,600	6,974
FROZEN	DO	-	-	27,000	7,750
SALTED	DO	-	-	1,220,500	207,155
SMOKED	DO	(1)	(1)	(1)	(1)
HERRING, SEA, SALTED	DO	(1)	(1)	-	-
LAKE TROUT:					
FILLETS:					
FRESH	DO	3,600	$3,095	15,705	13,958
FROZEN	DO	-	-	(1)	(1)
SMOKED	DO	-	-	72,500	49,100
SABLEFISH, SMOKED	DO	(1)	(1)	(1)	(1)
SALMON, SMOKED	DO	(1)	(1)	470,500	408,450
SAUGER FILLETS:					
FRESH	DO	208,035	200,524	130,800	89,680
FROZEN	DO	56,835	52,674	(1)	(1)
WHITE BASS, FRESH AND FROZEN FILLETS	DO	32,800	17,745	(1)	(1)
WHITEFISH:					
FILLETS:					
FRESH	DO	43,700	32,980	72,555	43,800
FROZEN	DO	-	-	(1)	(1)
SMOKED	DO	(1)	(1)	253,500	154,000
YELLOW PERCH FILLETS:					
FRESH	DO	1,054,521	516,275	393,900	203,162
FROZEN	DO	186,875	99,081	(1)	(1)
YELLOW PIKE FILLETS:					
FRESH	DO	153,376	129,632	211,800	158,040
FROZEN	DO	55,525	48,201	(1)	(1)
UNCLASSIFIED PRODUCTS:					
PACKAGED, FRESH AND FROZEN, FISH FILLETS, STEAKS, AND PORTIONS (NOT BREADED) 2/	DO	206,180	67,499	759,550	372,207
CURED FISH AND SHELLFISH 3/	DO	572,500	380,695	342,875	240,650
MISCELLANEOUS 4/	-	-	4,470,751	-	346,244
TOTAL	-	-	6,019,152	-	2,576,270

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

MANUFACTURED FISHERY PRODUCTS, 1960 - Continued

ITEM		ILLINOIS		WISCONSIN		MINNESOTA	
		QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CHUBS, SMOKED	POUNDS	1,200,000	$713,000	1,829,750	$730,587	(1)	(1)
EELS, SMOKED	DO	40,900	26,385	-	-	-	-
HERRING, LAKE:							
FILLETS:							
FRESH	DO	9,503	3,591	(1)	(1)	-	-
FROZEN	DO	(1)	(1)	-	-	-	-
SALTED	DO	-	-	379,080	56,079	(1)	(1)
SMOKED	DO	-	-	130,380	30,952	(1)	(1)
HERRING, SEA, SALTED	DO	5,358,700	2,718,260	(1)	(1)	(1)	(1)
LAKE TROUT:							
FILLETS:							
FRESH	DO	17,599	14,429	29,600	28,390	-	-
FROZEN	DO	23,157	17,583	10,800	8,914	-	-
SMOKED	DO	24,700	24,085	38,320	23,392	(1)	(1)
SABLEFISH, SMOKED	DO	233,500	113,250	50,315	26,114	(1)	(1)
SALMON, SMOKED	DO	216,000	293,000	43,700	30,861	(1)	(1)
SAUGER FILLETS:							
FRESH	DO	36,715	27,111	89,000	70,190	-	-
FROZEN	DO	8,800	6,044	22,500	21,415	-	-
STURGEON, SMOKED	DO	21,000	41,000	-	-	-	-
WHITE BASS, FRESH AND FROZEN FILLETS	DO	(1)	(1)	(1)	(1)	-	-
WHITEFISH:							
FILLETS:							
FRESH	DO	335,619	194,790	73,600	60,880	-	-
FROZEN	DO	144,566	73,198	33,810	20,987	-	-
SMOKED	DO	22,400	20,000	61,545	31,666	(1)	(1)
YELLOW PERCH FILLETS:							
FRESH	DO	53,472	32,430	653,000	335,880	-	-
FROZEN	DO	18,527	9,834	428,500	186,125	-	-
YELLOW PIKE FILLETS:							
FRESH	DO	121,904	121,386	92,500	84,550	-	-
FROZEN	DO	52,018	40,845	90,830	87,447	-	-
UNCLASSIFIED PRODUCTS:							
PACKAGED, FRESH AND FROZEN, FISH FILLETS, STEAKS, AND PORTIONS (NOT BREADED) 2/	DO	32,559	19,281	46,070	54,285	-	-
CURED FISH AND SHELLFISH 3/	DO	4,500	7,525	485,500	260,050	894,536	$273,306
MISCELLANEOUS 4/	-	-	129,406	-	334,169	-	-
TOTAL	-	-	4,646,433	-	2,482,933	-	273,306

1/ INCLUDED WITH UNCLASSIFIED PRODUCTS. 2/ INCLUDES FRESH AND FROZEN FILLETS OF BLUE PIKE, LAKE HERRING, LAKE TROUT, SAUGER, WHITE BASS, AND WHITEFISH; FRESH FILLETS OF PIKE OR PICKEREL, AND UNCLASSIFIED FISH; FROZEN FILLETS OF HALIBUT, YELLOW PERCH, AND YELLOW PIKE; FROZEN STEAKS OF HALIBUT, SALMON, AND SWORDFISH; AND UNCLASSIFIED FROZEN FISH PORTIONS. 3/ INCLUDES SALTED AND PICKLED SEA HERRING; SALTED LAKE HERRING, ANCHOVY PASTE, FISH SPREAD, AND FISH APPETIZER; LUTEFISK (FROM DRIED COD); SMOKED BUTTERFISH, CARP, CHUB, CISCO, EELS, HALIBUT, LAKE HERRING, LAKE TROUT, SABLEFISH, SALMON, WHITEFISH, WHITING, AND SHRIMP. 4/ INCLUDES THE VALUE OF FROZEN BREADED FISH PORTIONS AND STICKS, SHRIMP, AND OYSTERS; COOKED SHRIMP; CHILLED SHRIMP COCKTAIL; CANNED ANCHOVY PASTE, FISH APPETIZER, FISH SPREAD, AND ANIMAL FOOD.

NOTE:--SOME OF THE ABOVE PRODUCTS MAY HAVE BEEN MANUFACTURED FROM RAW PRODUCTS IMPORTED FROM ANOTHER STATE OR A FOREIGN COUNTRY; THEREFORE, THEY CANNOT BE CORRELATED DIRECTLY WITH THE CATCH WITHIN THE STATE.

SUMMARY OF PRODUCTION, BY COMMODITIES, 1960

SUMMARY OF ITEMS		QUANTITY	VALUE
FRESH AND FROZEN PACKAGED:			
NOT BREADED:			
FISH FILLETS, STEAKS, AND PORTIONS	POUNDS	6,550,571	$3,834,520
SHELLFISH (SHRIMP)	DO	431,000	671,000
BREADED:			
PORTIONS AND STICKS.	DO	14,229,873	4,398,215
SHELLFISH.	DO	116,000	102,800
CURED FISH AND SHELLFISH:			
SALTED, PICKLED, AND LUTEFISK (FROM DRIED COD).	DO	8,498,655	3,636,694
SMOKED	DO	6,214,118	3,595,467
MISCELLANEOUS (CHILLED AND CANNED) . .	-	-	382,865
TOTAL	-	-	16,621,561

SUMMARY OF VALUE, BY STATES, 1960

STATE	VALUE
NEW YORK	$537,163
PENNSYLVANIA	86,304
OHIO	6,019,152
MICHIGAN	2,576,270
ILLINOIS	4,646,433
WISCONSIN.	2,482,933
MINNESOTA.	273,306
TOTAL	16,621,561

TRANSPORTING, WHOLESALING, AND MANUFACTURING, 1960

ITEM	NEW YORK	PENNSYLVANIA	OHIO	INDIANA	ILLINOIS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
TRANSPORTING:					
PERSONS ENGAGED, ON VESSELS.	-	10	-	-	-
VESSELS, MOTOR	-	3	-	-	-
GROSS TONNAGE.	-	69	-	-	-
WHOLESALING AND MANUFACTURING:					
ESTABLISHMENTS	29	5	59	7	50
PERSONS ENGAGED:					
AVERAGE FOR SEASON	204	32	647	23	899
AVERAGE FOR YEAR	112	21	395	19	849

ITEM	MICHIGAN	MINNESOTA	WISCONSIN	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER
TRANSPORTING:				
PERSONS ENGAGED, ON VESSELS.	-	13	-	23
VESSELS, MOTOR	-	5	-	8
GROSS TONNAGE.	-	105	-	174
WHOLESALING AND MANUFACTURING:				
ESTABLISHMENTS	92	12	67	321
PERSONS ENGAGED:				
AVERAGE FOR SEASON	787	167	711	3,470
AVERAGE FOR YEAR	462	74	451	2,383

NOTE:--BOATS AND VESSELS ENGAGED IN TRANSPORTING AND FISHING ARE INCLUDED ONLY AS FISHING CRAFT. NONE OF THE PERSONS SHOWN ON TRANSPORTERS ENGAGED IN FISHING.

LAKE ONTARIO - OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	TRAP NETS	HOOP AND FYKE NETS	GILL NETS 2-1/8 - 3-7/8 INCH MESH	GILL NETS 4 - 7 INCH MESH	GILL NETS 7-1/8 - 14 INCH MESH	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE, CASUAL	6	32	19	20	8	6	73
BOATS:							
MOTOR	2	16	10	10	4	3	36
OTHER	2	-	-	-	-	-	2
GEAR:							
NUMBER	2	51	48	12	4	3	-
LENGTH, YARDS	230	-	-	-	-	-	-
SQUARE YARDS	-	-	-	14,400	3,600	5,400	-

LAKE ERIE - OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	OTTER TRAWLS, FISH	POUND NETS	TRAP NETS	HOOP AND FYKE NETS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	6	9	4	232	-
ON BOATS AND SHORE:					
REGULAR	183	-	-	24	4
CASUAL	123	2	-	15	14
TOTAL	312	11	4	271	18
VESSELS, MOTOR	1	3	2	89	-
GROSS TONNAGE	13	38	14	1,169	-
BOATS:					
MOTOR	75	1	-	19	9
OTHER	75	-	-	14	-
ACCESSORY BOATS	1	-	-	86	-
GEAR:					
NUMBER	76	4	6	2,092	54
LENGTH, YARDS	64,520	-	-	-	-
YARDS AT MOUTH	-	75	-	-	-

ITEM	GILL NETS 2-1/8 - 3-7/8 INCH MESH	GILL NETS 4 - 7 INCH MESH	GILL NETS 7-1/8 - 14 INCH MESH	LINES HAND	LINES LONG OR SET WITH HOOKS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	132	126	-	-	-	379
ON BOATS AND SHORE:						
REGULAR	4	11	-	-	5	204
CASUAL	51	62	2	1	254	461
TOTAL	187	199	2	1	259	1,044
VESSELS, MOTOR	35	34	-	-	-	128
GROSS TONNAGE	459	449	-	-	-	1,620
BOATS:						
MOTOR	29	37	1	1	199	332
OTHER	-	-	-	-	-	89
ACCESSORY BOATS	-	-	-	-	-	86
GEAR:						
NUMBER	86	96	1	2	225	-
SQUARE YARDS	479,800	547,800	1,000	-	-	-
HOOKS	-	-	-	2	56,780	-

LAKE HURON - OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	POUND NETS	TRAP NETS	HOOP AND FYKE NETS	GILL NETS
					1-1/4 - 2 INCH MESH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	3	3	88	-	-
ON BOATS AND SHORE:					
REGULAR	19	1	29	2	-
CASUAL.	69	11	57	6	1
TOTAL	91	15	174	8	1
VESSELS, MOTOR.	1	1	30	-	-
GROSS TONNAGE	9	10	295	-	-
BOATS:					
MOTOR	22	6	45	5	1
OTHER	22	2	32	-	-
ACCESSORY BOATS	-	-	30	-	-
GEAR:					
NUMBER.	23	19	607	44	1
LENGTH, YARDS	12,530	-	-	-	-
SQUARE YARDS.	-	-	-	-	100

ITEM	GILL NETS - CONTINUED			LINES, LONG OR SET WITH HOOKS	TOTAL, EXCLUSIVE OF DUPLICATION
	2-1/8 - 3-7/8 INCH MESH	4 - 7 INCH MESH	7-1/8 - 14 INCH MESH		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	177	22	-	-	247
ON BOATS AND SHORE:					
REGULAR	7	5	22	16	40
CASUAL.	66	26	41	92	279
TOTAL	250	53	63	108	566
VESSELS, MOTOR.	57	7	-	-	81
GROSS TONNAGE	1,303	106	-	-	1,535
BOATS:					
MOTOR	48	17	22	66	172
OTHER	-	-	-	-	47
ACCESSORY BOATS	-	-	-	-	30
GEAR:					
NUMBER.	201	31	59	101	-
SQUARE YARDS.	1,071,700	134,500	121,400	-	-
HOOKS	-	-	-	43,940	-

LAKE MICHIGAN - OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	OTTER TRAWLS, FISH	POUND NETS	TRAP NETS	HOOP AND FYKE NETS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	9	51	31	15	11
ON BOATS AND SHORE:					
REGULAR	7	-	45	12	35
CASUAL.	40	-	192	32	38
TOTAL	56	51	268	59	84

(CONTINUED ON NEXT PAGE)

LAKE MICHIGAN - OPERATING UNITS BY GEAR, 1960 - Continued

ITEM	HAUL SEINES, COMMON	OTTER TRAWLS, FISH	POUND NETS	TRAP NETS	HOOP AND FYKE NETS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
VESSELS, MOTOR.	2	17	11	5	4
GROSS TONNAGE	27	536	127	58	49
BOATS:					
MOTOR	12	-	89	18	32
OTHER	12	-	10	9	-
ACCESSORY BOATS	2	-	7	5	-
GEAR:					
NUMBER.	14	17	254	162	390
LENGTH, YARDS	8,390	-	-	-	-
YARDS AT MOUTH.	-	400	-	-	-

ITEM	GILL NETS			
	1-1/4 - 2 INCH MESH	2-1/8 - 3-7/8 INCH MESH	4 - 7 INCH MESH	7-1/8 - 14 INCH MESH
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	3	467	101	-
ON BOATS AND SHORE:				
REGULAR	7	62	29	-
CASUAL.	68	456	141	35
TOTAL	78	985	271	35
VESSELS, MOTOR.	1	167	38	-
GROSS TONNAGE	9	3,591	753	-
BOATS, MOTOR.	33	204	37	2
GEAR:				
NUMBER.	50	887	170	28
SQUARE YARDS.	14,890	3,476,600	689,600	36,600

ITEM	LINES			TOTAL, EXCLUSIVE OF DUPLICATION
	HAND	TROLL	LONG OR SET WITH HOOKS	
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	-	-	-	528
ON BOATS AND SHORE:				
REGULAR	-	-	-	82
CASUAL.	- 1	- 1	3	727
TOTAL	1	1	3	1,337
VESSELS, MOTOR.	-	-	-	187
GROSS TONNAGE	-	-	-	4,016
BOATS:				
MOTOR	1	1	2	336
OTHER	-	-	-	28
ACCESSORY BOATS	-	-	-	12
GEAR:				
NUMBER.	6	1	2	-
HOOKS	6	2	735	-

LAKE SUPERIOR - OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	POUND NETS	TRAP NETS	HOOP AND FYKE NETS
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	-	33	8	-
ON BOATS AND SHORE:				
REGULAR	-	22	-	-
CASUAL.	4	17	-	2
TOTAL	4	72	8	2
VESSELS, MOTOR.	-	12	2	-
GROSS TONNAGE	-	172	37	-
BOATS:				
MOTOR	1	14	-	1
OTHER	1	10	-	-
ACCESSORY BOATS	-	4	2	-
GEAR:				
NUMBER.	1	115	28	1
LENGTH, YARDS	280	-	-	-

ITEM	GILL NETS			LINES, TROLL	TOTAL, EXCLUSIVE OF DUPLICATION
	1-1/4 - 2 INCH MESH	2-1/8 - 3-7/8 INCH MESH	4 - 7 INCH MESH		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	-	305	236	5	345
ON BOATS AND SHORE:					
REGULAR	4	65	41	-	64
CASUAL.	3	285	140	11	371
TOTAL	7	655	417	16	780
VESSELS, MOTOR.	-	111	86	2	125
GROSS TONNAGE	-	1,856	1,376	25	2,018
BOATS:					
MOTOR	2	186	72	8	238
OTHER	-	-	-	-	11
ACCESSORY BOATS	-	-	-	-	6
GEAR:					
NUMBER.	5	553	325	62	-
SQUARE YARDS.	3,000	1,943,900	2,650,300	-	-
HOOKS	-	-	-	62	-

LAKE OF THE WOODS, NAMAKAN LAKE, AND RAINY LAKE OPERATING UNITS BY GEAR, 1960

ITEM	POUND NETS	TRAP NETS	HOOP AND FYKE NETS	GILL NETS, 4 - 7 INCH MESH	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	-	5	-	33	38
CASUAL.	5	3	4	27	39
TOTAL	5	8	4	60	77
BOATS:					
MOTOR	2	3	2	31	38
OTHER	2	2	-	-	4
GEAR:					
NUMBER.	11	23	7	181	-
SQUARE YARDS.	-	-	-	102,600	-

CATCH BY LAKE, STATE, AND GEAR, 1960

SPECIES	LAKE ONTARIO					
	NEW YORK					
	HAUL SEINES		TRAP NETS		HOOP AND FYKE NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE	-	-	200	$57	-	-
BOWFIN	-	-	3,000	120	200	$8
BULLHEADS	2,900	$795	71,800	19,375	10,400	2,812
BURBOT	-	-	500	29	-	-
CARP	1,700	68	20,100	804	300	13
CATFISH	-	-	1,800	298	(1)	3
CRAPPIE	-	-	800	94	(1)	2
CISCO	-	-	700	225	-	-
EELS	-	-	28,100	4,214	200	27
GARFISH	-	-	(1)	(1)	-	-
LAKE TROUT	-	-	(1)	4	-	-
ROCK BASS	-	-	2,300	161	100	6
SAUGER	-	-	(1)	(1)	-	-
SHEEPSHEAD	-	-	100	8	-	-
SUCKERS	300	10	10,900	327	300	8
SUNFISH	100	9	14,300	1,284	1,300	123
WHITE BASS	-	-	200	26	(1)	(1)
WHITE PERCH	-	-	1,000	59	(1)	2
WHITEFISH, COMMON	-	-	200	84	-	-
YELLOW PERCH	-	-	11,200	1,906	700	116
YELLOW PIKE	-	-	400	109	(1)	1
TOTAL	5,000	882	167,600	29,184	13,500	3,121

SPECIES	LAKE ONTARIO - CONTINUED				LAKE ERIE	
	NEW YORK - CONTINUED				NEW YORK	
	GILL NETS		TOTAL		GILL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE	4,400	$1,689	4,600	$1,746	300	$85
BOWFIN	-	-	3,200	128	-	-
BULLHEADS	500	139	85,600	23,121	100	3
BURBOT	-	-	500	29	-	-
CARP	100	2	22,200	887	400	12
CATFISH	(1)	6	1,800	307	400	76
CRAPPIE	-	-	800	96	-	-
CHUBS	100	40	100	40	-	-
CISCO	8,000	2,643	8,700	2,868	1,400	491
EELS	-	-	28,300	4,241	-	-
GARFISH	-	-	(1)	(1)	-	-
LAKE TROUT	4,500	2,670	4,500	2,674	-	-
ROCK BASS	300	23	2,700	190	(1)	(1)
SAUGER	(1)	(1)	(1)	(1)	-	-
SHEEPSHEAD	(1)	(1)	100	8	5,100	102
SMELT	100	11	100	11	400	22
STURGEON	600	698	600	698	200	202
SUCKERS	200	6	11,700	351	1,300	26
SUNFISH	-	-	15,700	1,416	-	-
WHITE BASS	7,900	868	8,100	894	64,900	2,597
WHITEFISH, COMMON	19,800	8,909	20,000	8,993	800	510
WHITE PERCH	-	-	1,000	61	-	-
YELLOW PERCH	25,500	4,328	37,400	6,350	196,400	25,526
YELLOW PIKE	200	68	600	178	59,600	19,673
TOTAL	72,200	22,100	258,300	55,287	331,300	49,325

SPECIES	LAKE ERIE - CONTINUED					
	PENNSYLVANIA					
	POUND NETS		TRAP NETS		GILL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE	100	$25	100	$35	200	$94
BULLHEADS	-	-	-	-	200	13
BURBOT	-	-	-	-	2,100	41
CARP	1,300	39	200	5	(1)	1
CATFISH	100	34	800	158	100	13
CISCO	100	16	-	-	4,300	1,300
SAUGER	-	-	-	-	(1)	5
SHEEPSHEAD	9,300	187	1,000	19	2,600	52
SMELT	-	-	-	-	500	30

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY LAKE, STATE, AND GEAR, 1960 - Continued

SPECIES	LAKE ERIE - CONTINUED					
	PENNSYLVANIA					
	POUND NETS		TRAP NETS		GILL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
STURGEON	100	$127	-	-	-	-
SUCKERS	1,700	35	900	$17	1,800	$36
WHITE BASS	152,300	9,138	900	52	43,700	2,625
WHITEFISH, COMMON	600	367	300	226	3,800	2,434
YELLOW PERCH	15,700	1,881	18,700	2,243	744,400	89,327
YELLOW PIKE	3,400	1,168	900	320	2,500	835
TOTAL	184,700	13,017	23,800	3,075	806,200	96,806

SPECIES	LAKE ERIE - CONTINUED					
	PENNSYLVANIA - CONTINUED		OHIO			
	TOTAL		HAUL SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE	400	$154	-	-	-	-
BUFFALOFISH	-	-	38,000	$4,183	-	-
BULLHEADS	200	13	21,600	2,808	-	-
BURBOT	2,100	41	-	-	-	-
CARP	1,500	45	2,868,200	86,045	-	-
CATFISH	1,000	205	899,700	188,940	-	-
CISCO	4,400	1,316	-	-	-	-
GOLDFISH	-	-	191,500	2,872	-	-
MOONEYE	-	-	1,800	54	-	-
SAUGER	(1)	5	900	132	-	-
SHEEPSHEAD	12,900	258	2,831,900	84,958	-	-
SMELT	500	30	-	-	27,600	$3,867
STURGEON	100	127	-	-	-	-
SUCKERS	4,400	88	10,100	304	-	-
WHITE BASS	196,900	11,815	206,000	37,084	-	-
WHITEFISH, COMMON	4,700	3,027	(1)	26	-	-
YELLOW PERCH	778,800	93,451	100,400	8,035	-	-
YELLOW PIKE	6,800	2,323	34,100	11,947	-	-
TOTAL	1,014,700	112,898	7,204,200	427,388	27,600	3,867

SPECIES	LAKE ERIE - CONTINUED					
	OHIO - CONTINUED					
	TRAP NETS		HOOP AND FYKE NETS		GILL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE	6,500	$2,583	-	-	200	$92
BUFFALOFISH	1,800	197	300	$37	400	38
BULLHEADS	14,600	1,900	300	40	500	57
BURBOT	20,600	2,066	-	-	1,100	110
CARP	291,000	8,731	3,000	90	61,700	1,852
CATFISH	416,200	87,400	3,700	783	49,500	10,390
CISCO	3,100	791	-	-	3,400	894
GIZZARD SHAD	700	14	-	-	-	-
GOLDFISH	3,500	52	200	3	2,800	43
MOONEYE	400	12	-	-	100	4
PIKE OR PICKEREL	1,400	299	-	-	-	-
SAUGER	500	73	100	6	-	-
SHEEPSHEAD	2,067,800	62,035	3,800	114	64,800	1,943
STURGEON	100	126	-	-	(1)	3
SUCKERS	183,100	5,494	1,500	44	18,600	558
WHITE BASS	1,114,500	200,616	28,400	5,102	68,700	12,361
WHITEFISH, COMMON	8,700	5,737	(1)	8	800	506
YELLOW PERCH	4,421,600	353,725	16,000	1,281	758,900	60,712
YELLOW PIKE	608,200	212,849	1,000	364	358,900	125,619
TOTAL	9,164,300	944,700	58,300	7,872	1,390,400	215,182

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY LAKE, STATE, AND GEAR, 1960 - Continued

SPECIES	LAKE ERIE - CONTINUED					
	OHIO - CONTINUED				MICHIGAN	
	LINES, LONG OR SET WITH HOOKS		TOTAL		HAUL SEINES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE	-	-	6,700	$2,675	-	-
BUFFALOFISH	100	$9	40,600	4,464	-	-
BULLHEADS	1,200	161	38,200	4,966	2,800	$397
BURBOT	-	-	21,700	2,176	-	-
CARP	4,900	146	3,228,800	96,864	1,112,200	33,367
CATFISH	155,800	32,707	1,524,900	320,220	57,400	9,761
CISCO	-	-	6,500	1,685	-	-
GIZZARD SHAD	-	-	700	14	-	-
GOLDFISH	-	-	198,000	2,970	-	-
MOONEYE	-	-	2,300	70	-	-
PIKE OR PICKEREL	-	-	1,400	299	-	-
SAUGER	-	-	1,500	211	-	-
SHEEPSHEAD	4,200	125	4,972,500	149,175	4,300	127
SMELT	-	-	27,600	3,867	-	-
STURGEON	-	-	100	129	-	-
SUCKERS	-	-	213,300	6,400	200	10
WHITE BASS	-	-	1,417,600	255,163	6,900	825
WHITEFISH, COMMON	-	-	9,500	6,277	-	-
YELLOW PERCH	(1)	2	5,296,900	423,755	700	67
YELLOW PIKE	(1)	1	1,002,200	350,780	1,800	704
TOTAL	166,200	33,151	18,011,000	1,632,160	1,186,300	45,258

SPECIES	LAKE ERIE - CONTINUED					
	MICHIGAN - CONTINUED					
	TRAP NETS		HOOP AND FYKE NETS		GILL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	200	$4	-	-	-	-
BUFFALOFISH	300	28	(1)	$1	-	-
BULLHEADS	1,800	255	1,400	192	(1)	$3
CARP	214,400	6,433	14,200	424	500	15
CATFISH	31,500	5,357	3,500	598	100	18
GIZZARD SHAD	500	10	-	-	-	-
PIKE OR PICKEREL	200	47	(1)	8	900	187
ROCK BASS	900	238	(1)	9	-	-
SHEEPSHEAD	100,100	3,004	3,500	105	100	4
SUCKERS	29,100	1,163	500	19	900	35
WHITE BASS	88,400	10,608	3,800	460	-	-
WHITEFISH, COMMON	(1)	5	-	-	-	-
YELLOW PERCH	104,600	10,456	11,200	1,122	1,200	124
YELLOW PIKE	99,900	38,974	700	269	100	43
TOTAL	671,900	76,582	38,800	3,207	3,800	429

SPECIES	LAKE ERIE - CONTINUED					
	MICHIGAN - CONTINUED					
	LINES				TOTAL	
	HAND		LONG, OR SET WITH HOOKS			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	-	-	200	$4
BUFFALOFISH	-	-	-	-	300	29
BULLHEADS	-	-	-	-	6,000	847
CARP	-	-	-	-	1,341,300	40,239
CATFISH	-	-	200	$25	92,700	15,759
GIZZARD SHAD	-	-	-	-	500	10
PIKE OR PICKEREL	-	-	-	-	1,100	242
ROCK BASS	-	-	-	-	900	247
SHEEPSHEAD	-	-	-	-	108,000	3,240
SUCKERS	-	-	-	-	30,700	1,227
WHITE BASS	-	-	-	-	99,100	11,893
WHITEFISH, COMMON	-	-	-	-	(1)	5
YELLOW PERCH	200	$17	-	-	117,900	11,786
YELLOW PIKE	-	-	-	-	102,500	39,990
TOTAL	200	17	200	25	1,901,200	125,518

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY LAKE, STATE, AND GEAR, 1960 - Continued

SPECIES	LAKE HURON					
	MICHIGAN					
	HAUL SEINES		POUND NETS		TRAP NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	-	-	10,000	$200
BOWFIN	-	-	-	-	900	18
BUFFALOFISH	-	-	-	-	(1)	6
BULLHEADS	300	$36	-	-	2,300	300
CARP	642,900	32,144	(1)	(1)	183,700	9,188
CATFISH	24,300	5,829	-	-	79,100	18,988
CRAPPIE	(1)	2	-	-	2,900	757
LAKE HERRING	-	-	(1)	$6	5,800	748
PIKE OR PICKEREL	4,300	774	-	-	118,100	21,259
ROCK BASS	100	19	-	-	7,700	1,226
SAUGER	-	-	-	-	(1)	3
SHEEPSHEAD	300	6	-	-	52,000	1,040
SMELT	-	-	66,500	2,659	8,900	355
STURGEON	-	-	-	-	1,100	988
SUCKERS	23,200	1,394	-	-	403,000	24,178
WHITE BASS	-	-	-	-	16,000	2,244
WHITEFISH, COMMON	-	-	10,100	5,973	279,100	164,675
YELLOW PERCH	800	117	-	-	247,400	37,108
YELLOW PIKE	100	30	(1)	17	120,900	59,226
TOTAL	696,300	40,351	76,600	8,655	1,538,900	342,507

SPECIES	LAKE HURON - CONTINUED					
	MICHIGAN - CONTINUED					
	HOOP AND FYKE NETS		GILL NETS		LINES, LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	2,200	$44	-	-
BOWFIN	-	-	(1)	(1)	-	-
BULLHEADS	300	$38	-	-	(1)	$4
CARP	300	14	505,700	25,285	800	39
CATFISH	700	168	1,200	291	172,100	41,288
CHUBS	-	-	2,936,100	704,673	-	-
CRAPPIE	(1)	3	-	-	-	-
LAKE HERRING	-	-	38,800	5,043	-	-
PIKE OR PICKEREL	3,400	618	4,600	820	-	-
ROCK BASS	1,400	230	100	8	(1)	(1)
SAUGER	-	-	200	27	-	-
SHEEPSHEAD	-	-	(1)	1	100	1
SMELT	-	-	2,200	90	-	-
SUCKERS	1,900	112	26,000	1,518	-	-
WHITEFISH:						
COMMON	-	-	49,200	29,034	-	-
MENOMINEE	-	-	3,200	1,446	-	-
YELLOW PERCH	6,400	968	254,100	38,112	(1)	4
YELLOW PIKE	-	-	15,300	7,507	-	-
TOTAL	14,400	2,151	3,838,900	813,899	173,000	41,336

SPECIES	LAKE HURON - CONTINUED		LAKE MICHIGAN			
	MICHIGAN - CONTINUED		MICHIGAN			
	TOTAL		HAUL SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	12,200	$244	-	-	83,100	$1,663
BOWFIN	900	18	-	-	-	-
BUFFALOFISH	(1)	6	-	-	-	-
BULLHEADS	2,900	378	-	-	-	-
CARP	1,333,400	66,670	7,200	$217	-	-
CATFISH	277,400	66,564	-	-	-	-
CHUBS	2,936,100	704,673	-	-	1,386,900	66,183
CRAPPIE	2,900	762	-	-	-	-
LAKE HERRING	44,600	5,797	-	-	200	16
PIKE OR PICKEREL	130,400	23,471	-	-	-	-
ROCK BASS	9,300	1,483	-	-	-	-
SAUGER	200	30	-	-	-	-
SHEEPSHEAD	52,400	1,048	-	-	-	-
SMELT	77,600	3,104	-	-	21,400	642
STURGEON	1,100	988	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY LAKE, STATE, AND GEAR, 1960 -Continued

SPECIES	LAKE HURON - CONTINUED		LAKE MICHIGAN			
	MICHIGAN - CONTINUED		MICHIGAN			
	TOTAL		HAUL SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SUCKERS	454,100	$27,202	-	-	-	-
WHITE BASS	16,000	2,244	-	-	-	-
WHITEFISH:						
COMMON	338,400	199,682	-	-	-	-
MENOMINEE	3,200	1,446	-	-	-	-
YELLOW PERCH	508,700	76,309	-	-	-	-
YELLOW PIKE	136,300	66,780	-	-	-	-
TOTAL	6,338,100	1,248,899	7,200	$217	1,491,600	$68,504

SPECIES	LAKE MICHIGAN - CONTINUED					
	MICHIGAN - CONTINUED					
	POUND NETS		TRAP NETS		HOOP AND FYKE NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	1,584,100	$31,681	1,600	$33	-	-
BULLHEADS	-	-	100	10	400	$72
CARP	100	2	8,800	265	(1)	(1)
CATFISH	-	-	(1)	1	-	-
CHUBS	300	52	-	-	-	-
CRAPPIE	1,100	294	-	-	-	-
LAKE HERRING	1,100	98	900	86	-	-
PIKE OR PICKEREL	-	-	3,400	375	200	24
ROCK BASS	-	-	(1)	4	600	65
SHEEPSHEAD	-	-	(1)	2	-	-
SMELT	2,120,400	63,612	27,700	832	-	-
STURGEON	100	94	300	379	-	-
SUCKERS	2,600	102	236,600	9,463	24,500	980
WHITEFISH:						
COMMON	12,500	6,597	8,700	4,599	-	-
MENOMINEE	(1)	1	-	-	-	-
YELLOW PERCH	3,200	443	25,500	3,576	38,400	5,381
YELLOW PIKE	2,900	1,164	61,000	24,426	(1)	5
TOTAL	3,728,400	104,140	374,600	44,051	64,100	6,527

SPECIES	LAKE MICHIGAN - CONTINUED					
	MICHIGAN - CONTINUED					
	GILL NETS		LINES 2/			
			HAND		LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	9,200	$184	-	-	-	-
BULLHEADS	(1)	8	-	-	-	-
BURBOT	(1)	(1)	-	-	-	-
CARP	8,100	242	-	-	-	-
CATFISH	(1)	1	-	-	-	-
CHUBS	2,018,600	464,280	-	-	-	-
GARFISH	(1)	(1)	-	-	-	-
LAKE HERRING	82,200	7,394	-	-	-	-
LAKE TROUT	100	50	-	-	-	-
PIKE OR PICKEREL	1,200	132	-	-	-	-
ROCK BASS	(1)	(1)	-	-	-	-
SAUGER	100	16	-	-	-	-
SHEEPSHEAD	100	3	-	-	-	-
SMELT	20,900	626	-	-	-	-
STURGEON	-	-	-	-	200	$192
SUCKERS	22,600	900	-	-	-	-
WHITEFISH:						
COMMON	35,100	18,622	-	-	-	-
MENOMINEE	5,700	1,247	-	-	-	-
YELLOW PERCH	1,225,500	171,569	1,100	$149	-	-
YELLOW PIKE	38,300	15,316	100	25	-	-
TOTAL	3,467,700	680,590	1,200	174	200	192

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY LAKE, STATE, AND GEAR, 1960 - Continued

SPECIES	LAKE MICHIGAN - CONTINUED					
	MICHIGAN - CONTINUED		INDIANA			
	TOTAL		OTTER TRAWLS		GILL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	1,678,000	$33,561	-	-	-	-
BULLHEADS	500	90	-	-	-	-
BURBOT	(1)	(1)	-	-	-	-
CARP	24,200	726	-	-	-	-
CATFISH	(1)	2	-	-	-	-
CHUBS	3,405,800	530,515	10,700	$321	-	-
CRAPPIE	1,100	294	-	-	-	-
GARFISH	(1)	(1)	-	-	-	-
LAKE HERRING	84,400	7,594	-	-	-	-
LAKE TROUT	100	50	-	-	-	-
PIKE OR PICKEREL	4,800	531	-	-	-	-
ROCK BASS	600	69	-	-	-	-
SAUGER	100	16	-	-	-	-
SHEEPSHEAD	100	5	-	-	-	-
SMELT	2,190,400	65,712	-	-	-	-
STURGEON	600	665	-	-	-	-
SUCKERS	286,300	11,445	-	-	-	-
WHITEFISH:						
COMMON	56,300	29,818	-	-	-	-
MENOMINEE	5,700	1,248	-	-	-	-
YELLOW PERCH	1,293,700	181,118	-	-	5,400	$753
YELLOW PIKE	102,300	40,936	-	-	-	-
TOTAL	9,135,000	904,395	10,700	321	5,400	753

SPECIES	LAKE MICHIGAN - CONTINUED					
	INDIANA - CONTINUED		ILLINOIS		WISCONSIN	
	TOTAL		GILL NETS		HAUL SEINES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CARP	-	-	9,000	$268	932,600	$32,642
CATFISH	-	-	-	-	1,600	400
CHUBS	10,700	$321	105,300	24,230	-	-
LAKE HERRING	-	-	800	82	-	-
SMELT	-	-	16,600	2,160	-	-
SUCKERS	-	-	-	-	(1)	(1)
WHITEFISH, COMMON	-	-	(1)	1	-	-
YELLOW PERCH	5,400	753	192,100	26,890	-	-
CRAWFISH	-	-	-	-	100	15
TOTAL	16,100	1,074	323,800	53,631	934,300	33,057

SPECIES	LAKE MICHIGAN - CONTINUED					
	WISCONSIN - CONTINUED					
	OTTER TRAWLS		POUND NETS		TRAP NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	443,300	$6,649	201,500	$3,023	-	-
BURBOT	-	-	1,800	87	-	-
CARP	-	-	3,200	113	-	-
CATFISH	-	-	200	56	-	-
CHUBS	5,731,600	252,608	-	-	-	-
LAKE HERRING	1,000	127	3,900	469	-	-
PIKE OR PICKEREL	-	-	100	22	-	-
SHEEPSHEAD	-	-	1,700	52	-	-
SMELT	216,000	8,641	806,200	32,248	-	-
SUCKERS	-	-	22,200	1,113	400	$22
WHITE BASS	-	-	700	106	-	-
WHITEFISH, COMMON	(1)	10	6,400	4,152	(1)	1
YELLOW PERCH	(1)	5	3,100	439	100	12
YELLOW PIKE	-	-	1,200	499	(1)	4
TOTAL	6,391,900	268,040	1,052,200	42,379	500	39

SPECIES	LAKE MICHIGAN - CONTINUED					
	WISCONSIN - CONTINUED					
	HOOP AND FYKE NETS		GILL NETS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	17,300	$259	29,000	$435	691,100	$10,366
BULLHEADS	13,300	1,335	200	16	13,500	1,351

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY LAKE, STATE, AND GEAR, 1960 - Continued

SPECIES	LAKE MICHIGAN - CONTINUED					
	WISCONSIN - CONTINUED					
	HOOP AND FYKE NETS		GILL NETS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BURBOT	100	$6	300	$17	2,200	$110
CARP	103,300	3,615	343,300	12,015	1,382,400	48,385
CATFISH	400	97	100	16	2,300	569
CHUBS	100	12	3,405,800	783,328	9,137,500	1,035,948
LAKE HERRING	100	6	142,600	17,107	147,600	17,709
LAKE TROUT	-	-	(1)	2	(1)	2
PIKE OR PICKEREL	23,900	3,586	5,700	853	29,700	4,461
SHEEPSHEAD	4,900	146	(1)	(1)	6,600	198
SMELT	-	-	38,200	1,527	1,060,400	42,416
SUCKERS	300,700	15,033	157,200	7,859	480,500	24,027
WHITE BASS	1,900	281	-	-	2,600	387
WHITEFISH:						
COMMON	(1)	4	61,400	39,893	67,800	44,060
MENOMINEE	-	-	300	59	300	59
YELLOW PERCH	355,900	49,823	1,434,700	200,859	1,793,800	251,138
YELLOW PIKE	5,600	2,220	9,100	3,626	15,900	6,349
CRAWFISH	1,400	350	-	-	1,500	365
TOTAL	828,900	76,773	5,627,900	1,067,612	14,835,700	1,487,900

SPECIES	LAKE SUPERIOR					
	MICHIGAN					
	HAUL SEINES		POUND NETS		TRAP NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
LAKE HERRING	-	-	(1)	$2	-	-
LAKE TROUT	-	-	400	205	-	-
SMELT	-	-	29,100	873	-	-
STURGEON	-	-	200	187	-	-
SUCKERS	-	-	1,700	84	-	-
WHITEFISH:						
COMMON	-	-	26,100	14,375	47,400	$26,081
MENOMINEE	1,000	$179	-	-	-	-
YELLOW PIKE	-	-	300	95	-	-
TOTAL	1,000	179	57,800	15,821	47,400	26,081

SPECIES	LAKE SUPERIOR - CONTINUED					
	MICHIGAN - CONTINUED					
	HOOP AND FYKE NETS		GILL NETS		LINES, TROLL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BURBOT	(1)	(1)	200	$10	-	-
CARP	-	-	100	2	-	-
CATFISH	-	-	(1)	(1)	-	-
CHUBS	-	-	470,400	84,673	-	-
LAKE HERRING	-	-	6,687,500	401,246	-	-
LAKE TROUT	-	-	267,900	141,985	700	$406
PIKE OR PICKEREL	-	-	500	72	-	-
SAUGER	-	-	500	24	-	-
SMELT	-	-	400	12	-	-
SUCKERS	(1)	$2	21,000	1,032	-	-
WHITEFISH:						
COMMON	-	-	82,500	45,372	-	-
MENOMINEE	-	-	7,000	1,257	-	-
YELLOW PERCH	-	-	1,500	310	100	17
YELLOW PIKE	(1)	6	600	226	(1)	9
TOTAL	(1)	8	7,540,100	676,221	800	432

SPECIES	LAKE SUPERIOR - CONTINUED					
	MICHIGAN - CONTINUED		WISCONSIN			
	TOTAL		POUND NETS		GILL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	100	$2	(1)	(1)
BURBOT	200	$10	100	7	2,000	$100
CARP	100	2	(1)	(1)	-	-
CATFISH	(1)	(1)	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY LAKE, STATE, AND GEAR, 1960 - Continued

SPECIES	LAKE SUPERIOR - CONTINUED					
	MICHIGAN - CONTINUED		WISCONSIN			
	TOTAL		POUND NETS		GILL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CHUBS	470,400	$84,673	(1)	$6	689,600	$158,604
LAKE HERRING	6,687,500	401,248	1,700	82	2,253,400	112,672
LAKE TROUT	269,000	142,596	17,300	11,760	91,300	62,121
PIKE OR PICKEREL	500	72	-	-	-	-
SAUGER	500	24	-	-	-	-
SMELT	29,500	885	327,000	13,081	6,700	267
STURGEON	200	187	-	-	-	-
SUCKERS	22,700	1,118	15,900	797	12,300	612
WHITEFISH:						
COMMON	156,000	85,828	53,700	34,895	74,700	48,591
MENOMINEE	8,000	1,436	(1)	8	12,000	2,743
YELLOW PERCH	1,600	327	(1)	(1)	600	81
YELLOW PIKE	900	336	-	-	-	-
TOTAL	7,647,100	718,742	415,800	60,638	3,142,600	385,791

SPECIES	LAKE SUPERIOR - CONTINUED					
	WISCONSIN - CONTINUED		MINNESOTA			
	TOTAL		POUND NETS		GILL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	100	$2	-	-	-	-
BURBOT	2,100	107	-	-	-	-
CARP	(1)	(1)	-	-	-	-
CHUBS	689,600	158,610	-	-	98,300	$11,805
LAKE HERRING	2,255,100	112,754	-	-	1,863,100	93,100
LAKE TROUT	108,600	73,881	-	-	2,400	908
SMELT	333,700	13,348	583,600	$29,180	-	-
SUCKERS	28,200	1,409	17,600	350	-	-
WHITEFISH:						
COMMON	128,400	83,486	-	-	-	-
MENOMINEE	12,000	2,751	-	-	-	-
YELLOW PERCH	600	81	-	-	-	-
TOTAL	3,558,400	446,429	601,200	29,530	1,963,800	105,813

SPECIES	LAKE SUPERIOR - CONTINUED		LAKE OF THE WOODS			
	MINNESOTA - CONTINUED		MINNESOTA			
	TOTAL		POUND NETS		TRAP NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	-	-	-	-	(1)	$1
BULLHEADS	-	-	100	$9	700	74
BURBOT	-	-	118,400	3,552	164,100	4,923
CHUBS	98,300	$11,805	-	-	-	-
LAKE HERRING	1,863,100	93,100	-	-	-	-
LAKE TROUT	2,400	908	-	-	-	-
MOONEYE	-	-	-	-	(1)	(1)
PIKE OR PICKEREL	-	-	3,000	210	5,000	353
QUILLBACK	-	-	-	-	(1)	(1)
SAUGER	-	-	900	125	14,500	2,030
SMELT	583,600	29,180	-	-	-	-
SUCKERS	17,600	350	800	15	4,300	80
TULLIBEE	-	-	24,000	720	176,500	5,295
WHITEFISH, COMMON	-	-	(1)	5	(1)	7
YELLOW PERCH	-	-	200	18	4,400	308
YELLOW PIKE	-	-	10,500	2,312	57,800	12,711
TOTAL	2,565,000	135,343	157,900	6,966	427,300	25,782

SPECIES	LAKE OF THE WOODS - CONTINUED					
	MINNESOTA - CONTINUED					
	HOOP AND FYKE NETS		GILL NETS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	1,100	$89	-	-	1,100	$90
BULLHEADS	8,200	814	1,100	$112	10,100	1,009
BURBOT	(1)	1	47,200	1,414	329,700	9,890
MOONEYE	-	-	(1)	(1)	(1)	(1)

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY LAKE, STATE, AND GEAR, 1960 - Continued

SPECIES	LAKE OF THE WOODS - CONTINUED					
	MINNESOTA - CONTINUED					
	HOOP AND FYKE NETS		GILL NETS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
PIKE OR PICKEREL	600	$38	23,700	$1,659	32,300	$2,260
QUILLBACK.	-	-	(1)	1	(1)	1
SAUGER	100	7	30,000	4,201	45,500	6,363
SUCKERS.	1,200	24	49,400	969	55,700	1,088
TULLIBEE	-	-	1,086,600	32,597	1,287,100	38,612
WHITEFISH, COMMON.	-	-	100	54	100	66
YELLOW PERCH	200	12	10,200	712	15,000	1,050
YELLOW PIKE.	1,300	295	274,000	60,278	343,600	75,596
TOTAL.	12,700	1,280	1,522,300	101,997	2,120,200	136,025

SPECIES	NAMAKAN LAKE		RAINY LAKE	
	MINNESOTA		MINNESOTA	
	GILL NETS		GILL NETS	
	POUNDS	VALUE	POUNDS	VALUE
BURBOT	1,400	$40	35,100	$1,050
PIKE OR PICKEREL	-	-	8,600	680
SAUGER	-	-	(1)	(1)
SUCKERS.	1,200	40	37,000	1,110
TULLIBEE	1,300	25	26,600	530
WHITEFISH, COMMON.	14,400	4,000	33,800	9,450
YELLOW PERCH	-	-	100	8
YELLOW PIKE.	-	-	27,700	8,300
TOTAL.	18,300	4,105	168,900	21,128

1/ LESS THAN 50 POUNDS OR 50 CENTS.

2/ INCLUDES THE CATCH BY TROLL LINES.

SECTION 9 - MISSISSIPPI RIVER FISHERIES

The 1960 commercial catch of fish and shellfish from waters in the Mississippi River drainage area totaled 85.6 million pounds valued at $7.8 million. Compared with 1959, this was an increase of 7.9 million pounds or 10 percent in volume and $201,000 or 3 percent in value. The larger 1960 catch resulted from an increased mussel shell harvest in the States of Alabama and Tennessee.

Five items--buffalofish, carp, catfish, sheepshead, and mussel shells--accounted for 90 percent of the volume and 83 percent of the value of the 1960 catch. Although commercial fishing was conducted in 20 States in this area, 7 States accounted for 81 percent of both the volume and value. Alabama led, followed by Minnesota, Tennessee, Wisconsin, Louisiana, Illinois, and Arkansas. The Mississippi River and Tennessee River were the leading producing waters in 1960. Nearly 42 million pounds or 49 percent of the area's catch were taken from these rivers.

The unique fresh-water mussel fishery expanded operations in 1960. The volume landed was double that of the previous year, and fishermen received higher average prices. The large demand was created by Japanese culture pearl growers. Many of their oyster beds were destroyed by typhoons, and they turned to the mussel shell fishery for the shells to be used in making inserts for placement in oysters. It is around these inserts that cultured pearls grow. Domestic use of mussel shells continued to decline as additional button firms followed the trend to use of plastics. However, there was some demand for this item for use as poultry grit and colored chips for aquariums.

The nation's expanding industrial economy has changed the habitat where fresh-water fishermen take their catch. Many rivers have been dammed to create large lakes. Fishermen, however, adapted to these changes and are probably fishing more acres of water today than at the turn of the century. Recently, commercial fishermen have benefited as a result of actions by northern States to allow commercial fishing for rough fish in sport fishing waters. Biological investigations have shown that the removal of these species improves conditions for the growth of game fish.

Rough fish removal fisheries continued to expand in area to more western and mountain States. In 1960, 14 States with rough fish control were canvassed; several more States are believed to have this type of fishery, but have not been surveyed. Carp is the principal species controlled. In 1960, about 13 million pounds of carp from controlled fisheries were marketed. This amount was over one-half of all carp taken in inland waters.

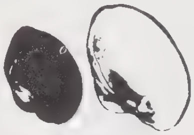
Commercial fishing on the rivers is usually a part-time occupation. Early in this century, sport fishing became of sufficient importance to overshadow the commercial use of this fishery. As a result, the commercial fishermen lost the right to take certain fish for sale; in some areas commercial fishing methods were declared illegal; and fishing seasons and areas were denied commercial fishermen.

The statistics of the river fisheries have shown relatively little change over the years. The same species have always dominated the catch, and the same fishing gears have continued to be used. The total catch of fish has changed little. Although game fish were taken in the early fishery, they never made up a significant portion of the landings.

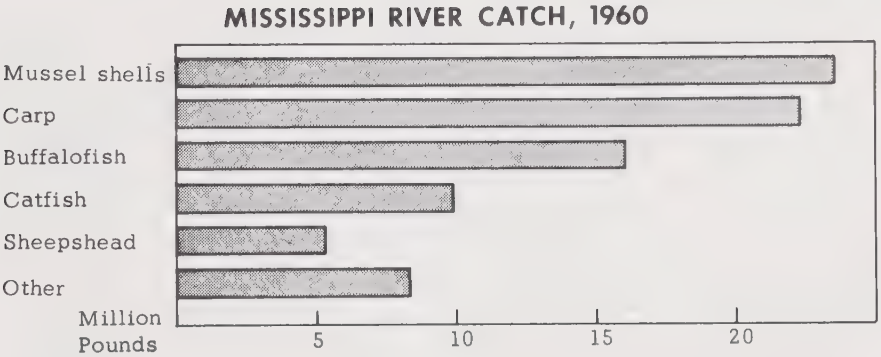
The Bureau acknowledges the assistance of the following organizations in the collection of the data appearing in this section: Alabama Department of Conservation, Division of Game and Fish; Arkansas Game and Fish Commission; Illinois Department of Conservation; Indiana Department of Conservation; Iowa State Conservation Commission; Kansas Forestry, Fish and Game Commission; Kentucky Department of Fish and Wildlife Resources; Louisiana Wild Life and Fisheries Commission; Missouri State Conservation Commission; Montana State Fish and Game Commission; Nebraska

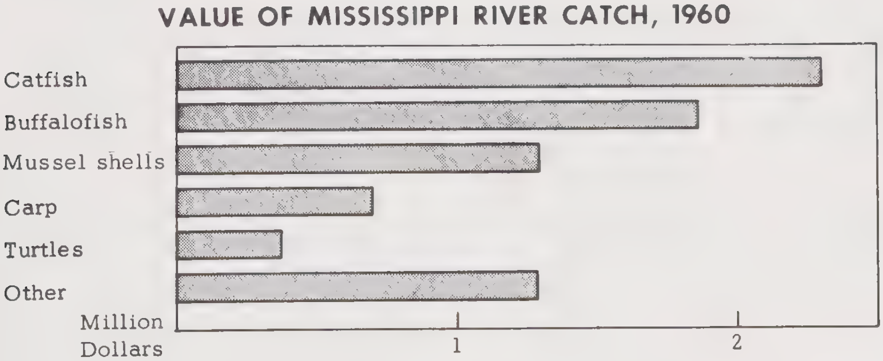
Game, Forestation, and Parks Commission; North Dakota State Game and Fish Department; Oklahoma Game and Fish Department; South Dakota Department of Game, Fish and Parks; Tennessee Game and Fish Commission; Texas Game and Fish Commission; Wisconsin Conservation Department; Wyoming Game and Fish Commission; and the Tennessee Valley Authority, Fish and Game Branch.

Condensed summary data on the operating units and catch by States of the Mississippi River fisheries appearing on the following pages have been previously published in Current Fishery Statistics No. 2802.



MUSSEL SHELLS





MISSISSIPPI RIVER FISHERIES

SECTIONAL SUMMARIES

SUMMARY OF CATCH, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

STATE	FISH		SHELLFISH, ETC.		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALABAMA	2,698	519	13,456	829	16.154	1,348
ARKANSAS	5,399	687	637	46	6,036	733
ILLINOIS	7,408	696	400	16	7,808	712
INDIANA	108	15	900	36	1,008	51
IOWA	3,817	370	-	-	3,817	370
KANSAS	60	8	-	-	60	8
KENTUCKY	2,104	277	1,356	54	3,460	331
LOUISIANA	7,287	959	970	382	8,257	1,341
MINNESOTA	11,710	726	-	-	11,710	726
MISSISSIPPI	2,185	309	9	19	2,194	328
MISSOURI	344	35	-	-	344	35
MONTANA	21	2	-	-	21	2
NEBRASKA	541	39	-	-	541	39
NORTH DAKOTA	827	35	-	-	827	35
OKLAHOMA	334	42	-	-	334	42
SOUTH DAKOTA	2,202	140	-	-	2,202	140
TENNESSEE	3,244	529	6,954	476	10,198	1,005
TEXAS	709	91	12	1	721	92
WISCONSIN	9,272	458	3	1	9,275	459
WYOMING	638	32	-	-	638	32
TOTAL	60,908	5,969	24,697	1,860	85,605	7,829

NOTE:--ADDITIONAL CATCH STATISTICS FOR INLAND WATERS NOT INCLUDED IN THIS TABULATION WERE: ARIZONA, BUFFALOFISH 86,700 POUNDS VALUED AT $17,340; COLORADO, CARP 292,000 POUNDS VALUED AT $17,200; IDAHO, CARP 615,000 POUNDS VALUED AT $53,813; AND SUCKERS 884,000 POUNDS VALUED AT $77,350.

SUMMARY OF OPERATING UNITS, 1960

ITEM	ALABAMA	ARKANSAS	ILLINOIS	INDIANA	IOWA	KANSAS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:						
REGULAR	285	615	181	-	152	4
CASUAL	344	1,047	473	113	529	66
TOTAL	629	1,662	654	113	681	70
BOATS:						
MOTOR	480	1,429	472	109	580	66
OTHER	134	79	89	-	36	-
GEAR:						
HAUL SEINES, COMMON	-	17	57	28	43	5
LENGTH, YARDS	-	3,800	16,050	3,200	10,500	375
WEIRS	-	-	-	-	8	-
POUND NETS	-	-	-	-	40	-
HOOP NETS	1,860	7,700	-	-	2,972	-
FYKE NETS	-	160	6,312	165	730	128
POTS AND TRAPS, FISH	-	-	2,908	-	4,062	-
GILL NETS, ANCHOR	34	407	30	-	424	-
SQUARE YARDS	8,500	80,500	6,000	-	32,600	-
TRAMMEL NETS	60	282	385	-	240	37
SQUARE YARDS	18,000	62,800	77,600	-	47,000	10,640
LINES:						
LONG OR SET WITH HOOKS	3,225	4,530	549	135	1,635	127
HOOKS	322,500	326,500	49,700	10,000	159,750	1,536
SNAG	1,140	1,350	135	-	-	-
HOOKS	522,000	577,600	40,000	-	-	-
DIP NETS, COMMON	-	156	-	-	-	-
CROWFOOT BARS	368	87	64	50	-	-

ITEM	KENTUCKY	LOUISIANA	MINNESOTA	MISSISSIPPI	MISSOURI
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	70	643	285	155	40
CASUAL	1,260	882	369	308	270
TOTAL	1,330	1,525	654	463	310
BOATS:					
MOTOR	1,315	1,512	281	357	310
OTHER	85	-	29	5	-
GEAR:					
HAUL SEINES, COMMON	20	2	29	-	-
LENGTH, YARDS	2,400	2,000	19,000	-	-
WEIRS	-	-	77	-	-
HOOP NETS	-	16,509	-	3,475	-
FYKE NETS	2,995	-	2,151	-	1,272
POTS AND TRAPS, CRAWFISH	-	14,435	-	-	-
GILL NETS, ANCHOR	-	3,803	296	414	-
SQUARE YARDS	-	464,203	406,000	165,400	-
TRAMMEL NETS	30	1,600	-	72	159
SQUARE YARDS	10,000	142,621	-	24,400	21,240

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1960 - Continued

ITEM	KENTUCKY	LOUISIANA	MINNESOTA	MISSISSIPPI	MISSOURI
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
GEAR: - CONTINUED					
LINES:					
HAND	-	33	-	-	-
HOOKS	-	33	-	-	-
LONG OR SET WITH HOOKS	1,915	3,654	75	1,655	221
HOOKS	121,000	344,160	7,500	546,150	22,100
SNAG	1,208	-	-	474	-
HOOKS	235,660	-	-	706,500	-
DIP NETS, COMMON	-	279	-	66	-
CROWFOOT BARS	160	-	-	-	-
GRABS, FROG	-	174	-	-	-

ITEM	MONTANA	NEBRASKA	NORTH DAKOTA	OKLAHOMA	SOUTH DAKOTA
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	-	22	8	33	2
CASUAL	3	220	12	17	31
TOTAL	3	242	20	50	33
BOATS:					
MOTOR	2	227	5	50	15
OTHER	2	15	-	-	5
GEAR:					
HAUL SEINES, COMMON	-	31	-	-	5
LENGTH, YARDS	-	4,000	-	-	5,000
POUND NETS	24	-	12	-	-
HOOP NETS	-	1,348	-	-	-
FYKE NETS	-	80	210	-	200
POTS AND TRAPS, FISH	-	374	-	-	-
GILL NETS, ANCHOR	-	-	-	107	13
SQUARE YARDS	-	-	-	50,750	8,600
TRAMMEL NETS	-	183	-	26	-
SQUARE YARDS	-	29,280	-	6,500	-

ITEM	TENNESSEE	TEXAS	WISCONSIN	WYOMING	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	654	63	69	3	3,284
CASUAL	692	201	489	2	7,328
TOTAL	1,346	264	558	5	10,612
BOATS:					
MOTOR	892	249	310	2	8,663
OTHER	333	-	39	1	852
GEAR:					
HAUL SEINES, COMMON	-	-	39	1	277
LENGTH, YARDS	-	-	29,000	1,000	96,325
OTTER TRAWLS, FISH	-	-	3	-	3
YARDS AT MOUTH	-	-	10	-	10
WEIRS	-	-	-	-	85
POUND NETS	-	-	-	-	76
TRAP NETS	-	-	97	-	97
HOOP NETS	4,456	305	-	-	38,625
FYKE NETS	1,110	-	599	-	16,112
POTS AND TRAPS:					
CRAWFISH	-	-	-	-	14,435
FISH	-	-	1,308	-	8,652
GILL NETS, ANCHOR	151	360	129	-	6,168
SQUARE YARDS	55,632	40,000	115,200	-	1,433,385
TRAMMEL NETS	367	70	7	-	3,518
SQUARE YARDS	145,600	8,000	1,000	-	604,681
LINES:					
HAND	-	-	-	-	33
HOOKS	-	-	-	-	33
LONG OR SET WITH HOOKS	4,154	650	650	-	23,175
HOOKS	377,750	45,500	65,000	-	2,399,146
SNAG	1,478	-	-	-	5,785
HOOKS	693,400	-	-	-	2,775,160
DIP NETS, COMMON	175	-	-	-	676
CROWFOOT BARS	583	-	-	-	1,312
GRABS, FROG	-	-	-	-	174

MISSISSIPPI RIVER FISHERIES

CATCH BY STATES, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	ALABAMA		ARKANSAS		ILLINOIS	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN	-	-	15	1	10	(1)
BUFFALOFISH	600	72	3,004	371	2,668	262
BULLHEADS	-	-	11	2	87	15
CARP	300	15	940	43	3,090	144
CATFISH	1,600	400	922	230	816	210
CRAPPIE	-	-	-	-	54	10
GARFISH	3	(1)	94	5	5	(1)
PADDLEFISH	122	24	20	2	37	4
QUILLBACK	(1)	(1)	24	2	51	3
SHEEPSHEAD	70	7	357	29	572	46
STURGEON, SHOVELNOSE	3	1	12	2	12	2
SUCKERS	-	-	(1)	(1)	6	(1)
TOTAL FISH	2,698	519	5,399	687	7,408	696
SHELLFISH, ETC.						
MUSSEL SHELLS	13,456	787	595	10	400	14
PEARLS AND SLUGS	-	42	-	2	-	2
TURTLES:						
BABY	-	-	4	32	-	-
SLIDER	-	-	10	(1)	-	-
SNAPPER	-	-	25	2	-	-
SOFT-SHELL	-	-	3	(1)	-	-
TOTAL SHELLFISH, ETC.	13,456	829	637	46	400	16
GRAND TOTAL	16,154	1,348	6,036	733	7,808	712

SPECIES	INDIANA		IOWA		KANSAS	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BUFFALOFISH	20	2	1,026	126	8	2
BULLHEADS	-	-	29	6	-	-
CARP	35	1	1,628	48	42	4
CATFISH	36	10	595	148	5	2
PADDLEFISH	2	1	11	1	1	(1)
QUILLBACK	2	(1)	-	-	3	(1)
SHEEPSHEAD	12	1	478	36	-	-
STURGEON, SHOVELNOSE	-	-	22	4	1	(1)
SUCKERS	1	(1)	28	1	-	-
TOTAL FISH	108	15	3,817	370	60	8
SHELLFISH						
MUSSEL SHELLS	900	31	-	-	-	-
PEARLS AND SLUGS	-	5	-	-	-	-
TOTAL SHELLFISH	900	36	-	-	-	-
GRAND TOTAL	1,008	51	3,817	370	60	8

SPECIES	KENTUCKY		LOUISIANA		MINNESOTA	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN	-	-	42	2	1	(1)
BUFFALOFISH	397	56	2,759	353	860	89
BULLHEADS	-	-	-	-	2,714	190
CARP	368	18	458	18	6,588	73
CATFISH	605	151	2,670	504	39	10
GARFISH	-	-	750	36	2	(1)
MOONEYE	-	-	-	-	59	15
PADDLEFISH	117	12	38	2	-	-
PIKE OR PICKEREL	-	-	-	-	21	3
QUILLBACK	29	1	-	-	-	-
SHEEPSHEAD	507	35	570	44	329	12
STURGEON, SHOVELNOSE	7	1	-	-	-	-
SUCKERS	74	3	-	-	30	(1)
WHITEFISH, COMMON	-	-	-	-	140	47
YELLOW PERCH	-	-	-	-	271	55
YELLOW PIKE	-	-	-	-	656	232
TOTAL FISH	2,104	277	7,287	959	11,710	726

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	KENTUCKY		LOUISIANA		MINNESOTA	
SHELLFISH, ETC.	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CRAWFISH	-	-	609	73	-	-
MUSSEL SHELLS	1,356	50	-	-	-	-
PEARLS AND SLUGS	-	4	-	-	-	-
TURTLES:						
BABY	-	-	33	250	-	-
SNAPPER	-	-	225	23	-	-
FROGS	-	-	103	36	-	-
TOTAL SHELLFISH, ETC.	1,356	54	970	382	-	-
GRAND TOTAL	3,460	331	8,257	1,341	11,710	726

SPECIES	MISSISSIPPI		MISSOURI		MONTANA		NEBRASKA	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BUFFALOFISH	1,237	148	80	11	21	2	10	2
BULLHEADS	11	2	-	-	-	-	83	2
CARP	289	12	159	8	-	-	398	25
CATFISH	569	142	49	12	-	-	26	10
GARFISH	15	(1)	11	1	-	-	-	-
PADDLEFISH	9	1	12	1	-	-	-	-
QUILLBACK	(1)	(1)	11	1	-	-	24	(1)
SHEEPSHEAD	55	4	20	1	-	-	-	-
STURGEON, SHOVELNOSE	-	-	2	(1)	-	-	-	-
TOTAL FISH	2,185	309	344	35	21	2	541	39
SHELLFISH, ETC.								
TURTLES:								
BABY	3	18	-	-	-	-	-	-
SNAPPER	5	1	-	-	-	-	-	-
SOFT-SHELL	1	(1)	-	-	-	-	-	-
TOTAL SHELLFISH, ETC.	9	19	-	-	-	-	-	-
GRAND TOTAL	2,194	328	344	35	21	2	541	39

SPECIES	NORTH DAKOTA		OKLAHOMA		SOUTH DAKOTA		TENNESSEE	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN	-	-	-	-	-	-	30	2
BUFFALOFISH	100	6	112	13	897	97	984	117
BULLHEADS	410	25	-	-	81	2	5	1
CARP	-	-	110	6	1,156	35	504	23
CATFISH	-	-	55	14	-	-	1,330	333
GARFISH	-	-	-	-	-	-	2	(1)
PADDLEFISH	-	-	6	1	50	5	158	31
QUILLBACK	-	-	6	(1)	-	-	85	8
SHEEPSHEAD	-	-	18	3	-	-	127	12
STURGEON, SHOVELNOSE	-	-	-	-	-	-	6	1
SUCKERS	317	4	-	-	18	1	10	(1)
WHITE BASS	-	-	27	5	-	-	-	-
YELLOW BASS	-	-	-	-	-	-	3	1
TOTAL FISH	827	35	334	42	2,202	140	3,244	529
SHELLFISH, ETC.								
MUSSEL SHELLS	-	-	-	-	-	-	6,948	405
PEARLS AND SLUGS	-	-	-	-	-	-	-	26
TURTLES, BABY	-	-	-	-	-	-	6	45
TOTAL SHELLFISH, ETC.	-	-	-	-	-	-	6,954	476
GRAND TOTAL	827	35	334	42	2,202	140	10,198	1,005

SPECIES	TEXAS		WISCONSIN		WYOMING		TOTAL	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN	-	-	9	(1)	-	-	107	5
BUFFALOFISH	400	56	830	83	-	-	16,013	1,868
BULLHEADS	6	1	60	4	-	-	3,497	250
BURBOT	-	-	39	1	-	-	39	1
CARP	177	7	5,435	188	638	32	22,315	700
CATFISH	93	25	558	106	-	-	9,968	2,307
CRAPPIE	-	-	-	-	-	-	54	10
GARFISH	11	1	4	(1)	-	-	897	43
MOONEYE	-	-	3	(1)	-	-	62	15

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY STATES, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	TEXAS		WISCONSIN		WYOMING		TOTAL	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
PADDLEFISH.	-	-	-	-	-	-	583	85
PIKE OR PICKEREL.	-	-	-	-	-	-	21	3
QUILLBACK	5	(1)	26	1	-	-	266	16
SHEEPSHEAD.	9	1	2,203	72	-	-	5,327	303
STURGEON, SHOVELNOSE.	-	-	2	(1)	-	-	67	11
SUCKERS	8	(1)	103	3	-	-	595	12
WHITE BASS.	-	-	-	-	-	-	27	5
WHITEFISH, COMMON	-	-	-	-	-	-	140	47
YELLOW BASS	-	-	-	-	-	-	3	1
YELLOW PERCH.	-	-	-	-	-	-	271	55
YELLOW PIKE	-	-	-	-	-	-	656	232
TOTAL FISH	709	91	9,272	458	638	32	60,908	5,969
SHELLFISH, ETC.								
CRAWFISH.	-	-	-	-	-	-	609	73
MUSSEL SHELLS	-	-	-	-	-	-	23,655	1,297
PEARLS AND SLUGS.	-	-	-	-	-	-	-	81
TURTLES:								
BABY.	-	-	-	-	-	-	46	345
SLIDER.	9	(1)	-	-	-	-	19	(1)
SNAPPER	3	1	3	1	-	-	261	28
SOFT-SHELL.	-	-	-	-	-	-	4	(1)
FROGS	-	-	-	-	-	-	103	36
TOTAL SHELLFISH, ETC. .	12	1	3	1	-	-	24,697	1,860
GRAND TOTAL.	721	92	9,275	459	638	32	85,605	7,829

1/ LESS THAN 500 POUNDS OR $500.

NOTE:--CATCH STATISTICS ON THE ALABAMA RIVER AND THE RED LAKE ARE INCLUDED IN THIS TABULATION, ALTHOUGH THEY ARE NOT IN THE MISSISSIPPI DRAINAGE SYSTEM.

CATCH BY WATERS, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	MISSISSIPPI RIVER		ARKANSAS RIVER		ATCHAFALAYA RIVER	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN.	33	1	-	-	11	1
BUFFALOFISH	4,722	539	816	98	768	67
BULLHEADS	122	16	2	(1)	-	-
CARP.	5,831	251	300	15	103	4
CATFISH	2,791	654	327	82	1,545	279
CRAPPIE	29	5	-	-	-	-
GARFISH	91	4	14	1	312	15
MOONEYE	3	(1)	-	-	-	-
PADDLEFISH.	71	8	14	2	2	(1)
QUILLBACK	63	3	11	1	-	-
SHEEPSHEAD.	1,443	104	113	10	281	24
STURGEON, SHOVELNOSE.	38	5	5	1	-	-
SUCKERS	66	2	-	-	-	-
WHITE BASS.	-	-	27	5	-	-
TOTAL FISH	15,303	1,592	1,629	215	3,022	390
SHELLFISH, ETC.						
CRAWFISH.	15	2	-	-	594	71
MUSSEL SHELLS	386	6	-	-	-	-
PEARLS AND SLUGS.	-	1	-	-	-	-
TURTLES:						
BABY.	10	71	-	-	16	125
SLIDER.	6	(1)	-	-	-	-
SNAPPER	65	7	7	1	16	2
SOFT-SHELL.	4	(1)	-	-	-	-
FROGS	13	5	-	-	24	8
TOTAL SHELLFISH, ETC. . .	499	92	7	1	650	206
GRAND TOTAL	15,802	1,684	1,636	216	3,672	596

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY WATERS, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	ILLINOIS RIVER		MISSOURI RIVER		OHIO RIVER	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN	2	(1)	-	-	-	-
BUFFALOFISH	834	81	672	74	421	56
BULLHEADS	54	9	-	-	-	-
CARP	1,155	56	296	29	444	21
CATFISH	110	28	90	26	450	119
CRAPPIE	25	5	-	-	-	-
GARFISH	-	-	3	(1)	-	-
PADDLEFISH	1	(1)	55	5	87	9
QUILLBACK	7	(1)	7	1	27	1
SHEEPSHEAD	69	6	5	(1)	493	35
STURGEON, SHOVELNOSE	-	-	1	(1)	9	1
SUCKERS	2	(1)	-	-	70	3
TOTAL FISH	2,259	185	1,129	135	2,001	245
SHELLFISH, ETC.						
MUSSEL SHELLS	-	-	-	-	660	25
PEARLS AND SLUGS	-	-	-	-	-	2
TOTAL SHELLFISH, ETC.	-	-	-	-	660	27
GRAND TOTAL	2,259	185	1,129	135	2,661	272

SPECIES	RED LAKE		RED RIVER		TENNESSEE RIVER	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN	-	-	3	(1)	1	(1)
BUFFALOFISH	-	-	805	108	1,265	152
BULLHEADS	-	-	6	1	-	-
CARP	-	-	305	12	615	31
CATFISH	1	(1)	277	64	2,779	695
GARFISH	-	-	203	10	5	(1)
MOONEYE	59	15	-	-	-	-
PADDLEFISH	-	-	11	1	300	57
PIKE OR PICKEREL	21	3	-	-	-	-
QUILLBACK	-	-	6	(1)	84	8
SHEEPSHEAD	253	9	101	10	195	19
STURGEON, SHOVELNOSE	-	-	(1)	(1)	4	1
SUCKERS	-	-	8	(1)	7	(1)
WHITEFISH, COMMON	140	47	-	-	-	-
YELLOW PERCH	231	52	-	-	-	-
YELLOW PIKE	656	232	-	-	-	-
TOTAL FISH	1,361	358	1,725	206	5,255	963
SHELLFISH, ETC.						
MUSSEL SHELLS	-	-	-	-	20,700	1,201
PEARLS AND SLUGS	-	-	-	-	-	70
TURTLES:						
BABY	-	-	1	6	-	-
SLIDER	-	-	9	(1)	-	-
SNAPPER	-	-	10	1	-	-
FROGS	-	-	1	(1)	-	-
TOTAL SHELLFISH, ETC.	-	-	21	7	20,700	1,271
GRAND TOTAL	1,361	358	1,746	213	25,955	2,234

SPECIES	BOEUF RIVER		CUMBERLAND RIVER		WABASH RIVER	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN	1	(1)	-	-	-	-
BUFFALOFISH	167	22	57	7	34	3
BULLHEADS	3	1	-	-	-	-
CARP	39	2	57	3	69	3
CATFISH	82	17	135	34	24	6

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CATCH BY WATERS, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	BOEUF RIVER		CUMBERLAND RIVER		WABASH RIVER	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
GARFISH	27	1	-	-	-	-
PADDLEFISH	4	(1)	13	1	2	(1)
QUILLBACK	2	(1)	5	(1)	3	(1)
SHEEPSHEAD	29	2	21	2	9	1
STURGEON, SHOVELNOSE	-	-	5	1	2	1
SUCKERS	-	-	6	(1)	1	(1)
TOTAL FISH	354	45	299	48	144	14
SHELLFISH, ETC.						
MUSSEL SHELLS	-	-	400	15	1,300	46
PEARLS AND SLUGS	-	-	-	1	-	6
TURTLES:						
BABY	1	7	-	-	-	-
SNAPPER	2	(1)	-	-	-	-
FROGS	6	2	-	-	-	-
TOTAL SHELLFISH, ETC.	9	9	400	16	1,300	52
GRAND TOTAL	363	54	699	64	1,444	66

SPECIES	WHITE RIVER		OUACHITA RIVER		INLAND LAKES AND STREAMS	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN	(1)	(1)	17	1	39	2
BUFFALOFISH	612	80	765	109	4,075	472
BULLHEADS	2	1	-	-	3,308	222
BURBOT	-	-	-	-	39	1
CARP	153	7	187	7	12,761	259
CATFISH	176	44	239	49	942	210
GARFISH	8	(1)	61	3	173	9
PADDLEFISH	5	1	4	(1)	14	1
QUILLBACK	8	1	1	(1)	42	1
SHEEPSHEAD	104	8	75	4	2,136	69
STURGEON, SHOVELNOSE	3	1	-	-	-	-
SUCKERS	-	-	-	-	435	7
WHITE BASS	-	-	-	-	(1)	(1)
YELLOW BASS	-	-	-	-	3	1
YELLOW PERCH	-	-	-	-	40	3
TOTAL FISH	1,071	143	1,349	173	24,007	1,257
SHELLFISH, ETC.						
MUSSEL SHELLS	209	4	-	-	-	-
PEARLS AND SLUGS	-	1	-	-	-	-
TURTLES:						
BABY	-	-	-	-	18	136
SLIDER	-	-	-	-	4	(1)
SNAPPER	-	-	26	3	135	14
FROGS	-	-	17	6	42	15
TOTAL SHELLFISH, ETC.	209	5	43	9	199	165
GRAND TOTAL	1,280	148	1,392	182	24,206	1,422

1/ LESS THAN 500 POUNDS OR $500.

NOTE:--THE TENNESSEE RIVER INCLUDES THE CATCH FOR THE ALABAMA RIVER. CATCH STATISTICS ON THE ALABAMA RIVER AND THE RED LAKE ARE INCLUDED IN THIS TABULATION, ALTHOUGH THEY ARE NOT IN THE MISSISSIPPI RIVER DRAINAGE SYSTEM.

WHOLESALING AND MANUFACTURING, 1960

ITEM	ALABAMA	ARKANSAS	ILLINOIS	INDIANA	IOWA	KANSAS	KENTUCKY	LOUISIANA	MINNESOTA	MISSISSIPPI	MISSOURI	NEBRASKA	NORTH DAKOTA	OHIO	OKLAHOMA	SOUTH DAKOTA	TENNESSEE	TEXAS	WISCONSIN	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
WHOLESALING AND MANUFACTURING:																				
ESTABLISHMENTS	13	38	97	8	32	3	26	27	22	19	41	6	3	1	19	2	41	14	39	451
PERSONS ENGAGED:																				
AVERAGE FOR SEASON	100	102	319	48	723	22	116	114	194	31	429	43	24	7	68	4	192	128	303	2,967
AVERAGE FOR YEAR	42	63	203	48	234	22	83	107	117	20	298	41	18	1	57	4	117	110	123	1,708

NOTE:--DATA FOR ILLINOIS, INDIANA, IOWA, KANSAS, KENTUCKY, MINNESOTA, MISSOURI, NEBRASKA, NORTH DAKOTA, SOUTH DAKOTA, AND WISCONSIN ARE FOR 1959.

MANUFACTURED FISHERY PRODUCTS, 1960

ITEM	STATE AND NUMBER OF PLANTS	UNIT	QUANTITY	VALUE
FROZEN PACKAGED FISH AND SHELLFISH, BREADED AND UNBREADED 1/	KENTUCKY (2), MISSOURI (2), TENNESSEE (1).	POUNDS	9,758,069	$3,892,358
SMOKED:				
CHUBS	IOWA (1), MINNESOTA (1), MISSOURI (1) .	DO	61,100	38,315
SABLEFISH	IOWA (1), MINNESOTA (1), MISSOURI (1), NORTH DAKOTA (1)	DO	16,268	12,625
SALMON.	IOWA (1), MINNESOTA (1), MISSOURI (1), NEBRASKA (1), NORTH DAKOTA (1)	DO	61,606	64,317
WHITEFISH	IOWA (1), MINNESOTA (1), NORTH DAKOTA (1).	DO	103,744	53,178
WHITING	IOWA (1), MINNESOTA (1), MISSOURI (1), NEBRASAK (1)	DO	99,300	38,648
MISCELLANEOUS 2/.	IOWA (1), MINNESOTA (2), MISSOURI (1), NORTH DAKOTA (1)	DO	177,511	108,292
SALTED AND PICKLED AND LUTEFISK:				
SEA HERRING (INCLUDES SPECIAL PACKS)	MINNESOTA (3), MISSOURI (1)	DO	1,798,422	791,862
MISCELLANEOUS (MACKEREL, LAKE HERRING, LUTEFISK)	MINNESOTA (2), MISSOURI (1)	DO	881,616	205,870
OTHER PRODUCTS 3/	ILLINOIS (1), IOWA (6), MISSOURI (1), OHIO (1), WISCONSIN (1).	-	-	715,756
TOTAL		-	-	5,921,221

1/ INCLUDES FROZEN BREADED FLOUNDER FILLETS, WHITING FILLETS, SHRIMP, OYSTERS, SCALLOPS, UNCLASSIFIED FISH STEAKS, FISH STICKS, AND FISH PORTIONS; AND FISH PORTIONS NOT BREADED. 2/ INCLUDES SMOKED BUFFALOFISH, CARP, HALIBUT, LAKE HERRING, LAKE TROUT, PADDLEFISH, STURGEON, AND TULLIBEE. 3/ INCLUDES THE VALUE OF CANNED WHITEFISH CAVIAR, AND TURTLE SOUP; MUSSEL-SHELL BUTTONS, LIME, AND CHIPS.

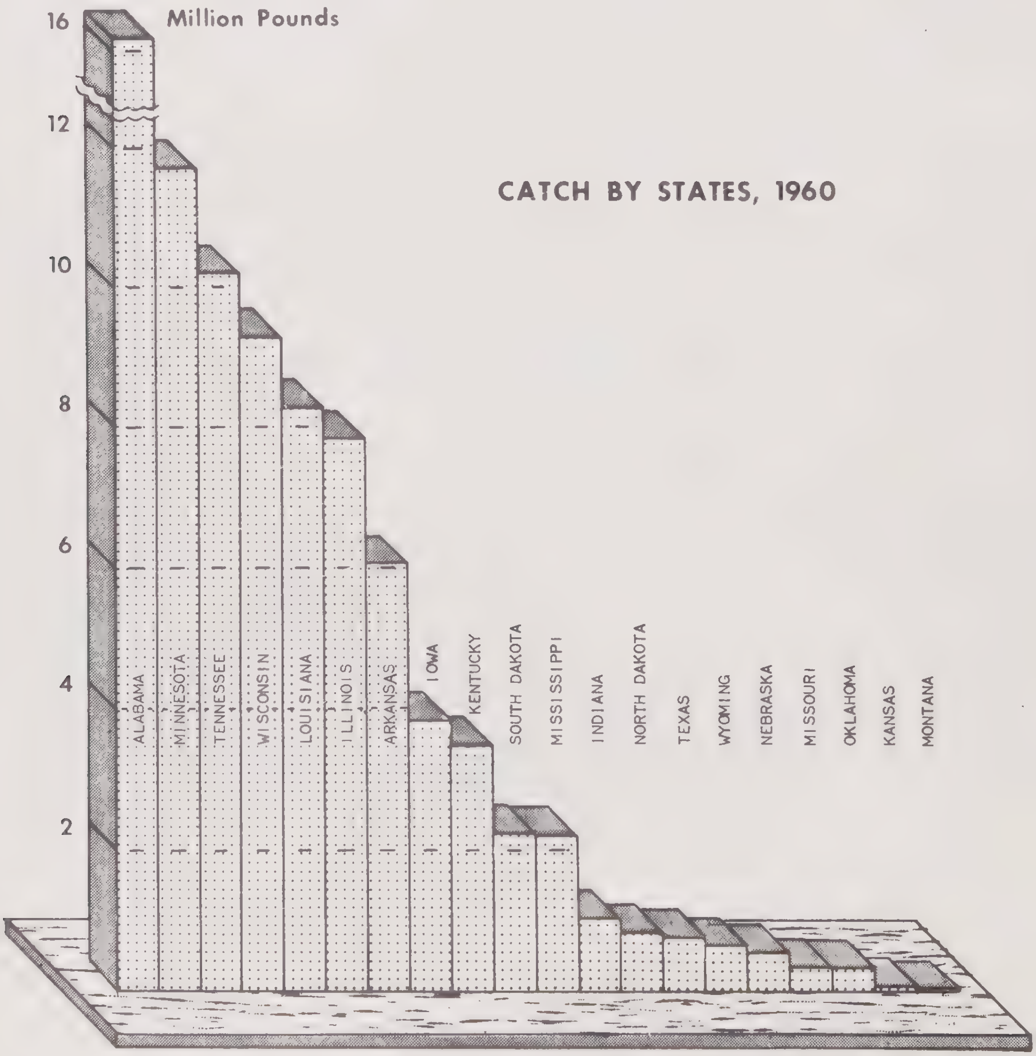
NOTE:--SOME OF THE ABOVE PRODUCTS MAY HAVE BEEN MANUFACTURED FROM RAW PRODUCTS IMPORTED FROM ANOTHER STATE OR A FOREIGN COUNTRY; THEREFORE, THEY CANNOT BE CORRELATED DIRECTLY WITH THE CATCH WITHIN THE STATE.

SUMMARY OF PRODUCTION, BY COMMODITIES, 1960

SUMMARY OF ITEMS		QUANTITY	VALUE
FROZEN PACKAGED FISH AND SHELLFISH, COOKED AND RAW (BREADED AND UNBREADED) .	POUNDS	9,758,069	$3,892,358
CURED:			
SALTED AND PICKLED AND LUTEFISK	DO	2,680,038	997,732
SMOKED.	DO	519,529	315,375
MISCELLANEOUS PRODUCTS (CANNED WHITEFISH CAVIAR AND TURTLE SOUP; AND MUSSEL-SHELL PRODUCTS).	-	-	715,756
TOTAL	-	-	5,921,221

SUMMARY OF VALUE, BY STATES, 1960

STATE	VALUE
IOWA.	$711,830
ILLINOIS AND KENTUCKY	477,378
MINNESOTA	1,001,440
MISSOURI AND NEBRASKA	3,575,189
NORTH DAKOTA, OHIO, TENNESSEE, AND WISCONSIN.	155,384
TOTAL	5,921,221



ALABAMA

OPERATING UNITS BY GEAR, 1960

ITEM	HOOP NETS	GILL NETS, ANCHOR	TRAMMEL NETS	LINES: LONG OR SET WITH HOOKS	LINES: SNAG	CROWFOOT BARS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:							
REGULAR	100	10	30	175	90	100	285
CASUAL	120	14	60	200	120	34	344
TOTAL	220	24	90	375	210	134	629
BOATS:							
MOTOR	220	17	60	375	210	-	480
OTHER	-	-	-	-	-	134	134
GEAR:							
NUMBER	1,860	34	60	3,225	1,140	368	-
SQUARE YARDS	-	8,500	18,000	-	-	-	-
HOOKS	-	-	-	322,500	522,000	-	-

ALABAMA - CATCH BY GEAR, 1960

SPECIES	HOOP NETS		GILL NETS, ANCHOR		TRAMMEL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	210,000	$25,200	50,000	$6,000	270,000	$32,400
CARP	120,000	6,000	40,000	2,000	90,000	4,500
CATFISH	175,000	43,750	5,000	1,250	15,000	3,750
PADDLEFISH	5,000	1,000	20,000	4,000	15,000	3,000
QUILLBACK	100	10	-	-	-	-
SHEEPSHEAD	30,000	3,000	4,000	400	12,000	1,200
TOTAL	540,100	78,960	119,000	13,650	402,000	44,850

SPECIES	LINES: LONG OR SET WITH HOOKS		LINES: SNAG	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	45,000	$5,400	25,000	$3,000
CARP	40,000	2,000	10,000	500
CATFISH	850,000	212,500	555,000	138,750
GARFISH	1,000	20	2,500	50
PADDLEFISH	-	-	82,000	16,400
SHEEPSHEAD	21,000	2,100	3,000	300
STURGEON, SHOVELNOSE	-	-	2,700	540
TOTAL	957,000	222,020	680,200	159,540

SPECIES	CROWFOOT BARS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	-	-	600,000	$72,000
CARP	-	-	300,000	15,000
CATFISH	-	-	1,600,000	400,000
GARFISH	-	-	3,500	70
PADDLEFISH	-	-	122,000	24,400
QUILLBACK	-	-	100	10
SHEEPSHEAD	-	-	70,000	7,000
STURGEON, SHOVELNOSE	-	-	2,700	540
MUSSEL SHELLS	13,456,000	$786,640	13,456,000	786,640
PEARLS AND SLUGS	-	42,127	-	42,127
TOTAL	13,456,000	828,767	16,154,300	1,347,787

NOTE:--THE INLAND COMMERCIAL FISHERIES OF ALABAMA ARE CONFINED TO THE TENNESSEE RIVER.

MISSISSIPPI RIVER FISHERIES

ARKANSAS

OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	HOOP NETS, FISH	FYKE NETS, FISH	GILL NETS, ANCHOR	TRAMMEL NETS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	21	467	68	139	160
CASUAL	23	517	18	109	76
TOTAL	44	984	86	248	236
BOATS:					
MOTOR	21	984	86	222	213
OTHER	6	-	-	-	-
GEAR:					
NUMBER	17	7,700	160	407	282
LENGTH, YARDS	3,800	-	-	-	-
SQUARE YARDS	-	-	-	80,500	62,800

ITEM	LINES		DIP NETS, COMMON	CROWFOOT BARS	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	LONG OR SET WITH HOOKS	SNAG				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:						
REGULAR	361	236	34	-	-	615
CASUAL	405	192	122	58	44	1,047
TOTAL	766	428	156	58	44	1,662
BOATS:						
MOTOR	746	427	78	-	-	1,429
OTHER	-	-	15	58	-	79
GEAR:						
NUMBER	4,530	1,350	156	87	-	-
HOOKS	326,500	577,600	-	-	-	-

ARKANSAS - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		HOOP AND FYKE NETS		GILL NETS, ANCHOR	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	500	$25	4,400	$214	500	$25
BUFFALOFISH	18,600	2,342	1,197,100	148,713	847,800	103,174
BULLHEADS	1,000	150	2,000	300	-	-
CARP	25,000	1,185	436,900	20,245	194,000	8,820
CATFISH	1,900	475	88,500	22,125	10,000	2,500
GARFISH	8,000	450	8,800	424	17,300	860
PADDLEFISH	-	-	2,700	324	2,000	240
QUILLBACK	1,300	74	18,700	1,028	-	-
SHEEPSHEAD	5,300	421	153,600	12,249	55,300	4,439
STURGEON, SHOVELNOSE	-	-	1,700	255	-	-
TURTLES:						
SLIDER	1,000	30	6,700	201	500	15
SNAPPER	1,500	120	4,000	380	1,500	225
SOFT-SHELL	-	-	1,700	170	500	50
TOTAL	64,100	5,272	1,926,800	206,628	1,129,400	120,348

SPECIES	TRAMMEL NETS		LINES			
			LONG OR SET WITH HOOKS		SNAG	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	4,300	$243	1,500	$75	4,000	$198
BUFFALOFISH	858,500	106,885	28,500	3,470	53,400	6,552
BULLHEADS	1,400	210	5,500	825	1,200	180
CARP	197,700	9,355	33,200	1,500	52,700	2,355
CATFISH	40,600	10,150	463,500	115,875	317,200	79,300
GARFISH	48,100	2,400	6,100	295	5,100	253
PADDLEFISH	2,200	264	-	-	13,500	1,620
QUILLBACK	400	20	2,600	155	1,000	50
SHEEPSHEAD	38,400	3,055	70,100	5,598	34,300	2,737
STURGEON, SHOVELNOSE	-	-	5,200	780	5,000	750
SUCKERS	100	5	-	-	-	-
TURTLES:						
SLIDER	600	18	-	-	1,500	45
SNAPPER	4,600	440	9,000	870	4,000	370
SOFT-SHELL	500	50	-	-	500	50
TOTAL	1,197,400	133,095	625,200	129,443	493,400	94,460

(CONTINUED ON NEXT PAGE)

ARKANSAS - CATCH BY GEAR, 1960 - Continued

SPECIES	DIP NETS		CROWFOOT BARS		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
MUSSEL SHELLS	-	-	310,000	$6,178	285,200	$4,264
PEARLS AND SLUGS	-	-	-	775	-	719
TURTLES, BABY	4,000	$32,101	-	-	-	-
TOTAL	4,000	32,101	310,000	6,953	285,200	4,983

ARKANSAS - CATCH BY WATERS, 1960

SPECIES	MISSISSIPPI RIVER AND TRIBUTARIES		ARKANSAS RIVER AND TRIBUTARIES		BOEUF RIVER		OUACHITA RIVER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	9,800	$490	-	-	700	$35	800	$32
BUFFALOFISH	1,037,500	124,500	770,000	$92,400	17,100	2,052	189,500	22,740
BULLHEADS	3,000	450	2,500	375	2,700	405	-	-
CARP	236,000	9,440	217,500	10,875	17,500	700	98,000	3,920
CATFISH	367,200	91,800	280,500	70,125	7,200	1,800	27,700	6,925
GARFISH	19,500	975	13,700	685	200	10	3,800	152
PADDLEFISH	7,500	900	7,500	900	-	-	-	-
QUILLBACK	4,200	210	9,000	450	1,800	72	900	36
SHEEPSHEAD	101,500	8,120	96,000	7,680	10,000	700	11,100	777
STURGEON, SHOVELNOSE	3,000	450	5,000	750	-	-	-	-
MUSSEL SHELLS	386,100	5,842	-	-	-	-	-	-
PEARLS AND SLUGS	-	971	-	-	-	-	-	-
TURTLES:								
BABY	4,000	32,000	-	-	-	-	-	-
SLIDER	6,500	195	-	-	-	-	-	-
SNAPPER	18,000	1,875	6,500	520	-	-	-	-
SOFT-SHELL	3,200	320	-	-	-	-	-	-
TOTAL	2,207,000	278,538	1,408,200	184,760	57,200	5,774	331,800	34,582

SPECIES	RED RIVER AND TRIBUTARIES		WHITE RIVER AND TRIBUTARIES		INLAND LAKES AND STREAMS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	200	$10	3,700	$213	15,200	$780
BUFFALOFISH	77,000	$10,780	611,900	79,547	300,900	39,117	3,003,900	371,136
BULLHEADS	-	-	1,500	225	1,400	210	11,100	1,665
CARP	47,500	2,375	152,700	7,635	170,300	8,515	939,500	43,460
CATFISH	35,500	8,875	176,500	44,125	27,100	6,775	921,700	230,425
GARFISH	2,000	100	8,800	440	45,400	2,320	93,400	4,682
PADDLEFISH	-	-	5,400	648	-	-	20,400	2,448
QUILLBACK	200	14	7,500	525	400	20	24,000	1,327
SHEEPSHEAD	7,500	750	104,000	8,320	26,900	2,152	357,000	28,499
STURGEON, SHOVELNOSE	400	60	3,500	525	-	-	11,900	1,785
SUCKERS	-	-	-	-	100	5	100	5
MUSSEL SHELLS	-	-	209,100	4,600	-	-	595,200	10,442
PEARLS AND SLUGS	-	-	-	523	-	-	-	1,494
TURTLES:								
BABY	-	-	-	-	(1)	101	4,000	32,101
SLIDER	-	-	-	-	3,800	114	10,300	309
SNAPPER	-	-	-	-	100	10	24,600	2,405
SOFT-SHELL	-	-	-	-	-	-	3,200	320
TOTAL	170,100	22,954	1,281,100	147,123	580,100	59,552	6,035,500	733,283

1/ LESS THAN 50 POUNDS.

MISSISSIPPI RIVER FISHERIES

ILLINOIS

OPERATING UNITS BY GEAR , 1960

ITEM	HAUL NETS, COMMON	HOOP AND FYKE NETS, FISH	POTS AND TRAPS	GILL NETS, ANCHOR	TRAMMEL NETS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	77	138	98	31	125
CASUAL	65	359	138	30	192
TOTAL	142	497	236	61	317
BOATS:					
MOTOR	57	377	161	38	213
OTHER	57	-	-	-	-
GEAR:					
NUMBER	57	6,312	2,908	30	385
LENGTH, YARDS	16,050	-	-	-	-
SQUARE YARDS	-	-	-	6,000	77,600

ITEM	LINES		CROWFOOT BARS	TOTAL, EXCLUSIVE OF DUPLICATION
	LONG OR SET WITH HOOKS	SNAG		
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:				
REGULAR	6	-	-	181
CASUAL	112	30	32	473
TOTAL	118	30	32	654
BOATS:				
MOTOR	109	30	-	472
OTHER	-	-	32	89
GEAR:				
NUMBER	549	135	64	-
HOOKS	49,700	40,000	-	-

ILLINOIS - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		HOOP AND FYKE NETS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	9,100	$295	-	-
BUFFALOFISH	476,700	$46,573	881,000	86,698	-	-
BULLHEADS	2,800	484	44,300	7,663	9,800	$1,695
CARP	669,200	32,134	977,700	46,335	4,800	230
CATFISH	18,000	4,500	343,300	91,825	277,800	69,450
CRAPPIE	-	-	53,800	9,684	-	-
GARFISH	700	35	2,000	100	-	-
PADDLEFISH	3,500	431	7,700	924	-	-
QUILLBACK	12,800	640	25,000	1,230	-	-
SHEEPSHEAD	112,900	9,032	328,500	26,280	-	-
STURGEON, SHOVELNOSE	1,100	209	6,000	1,170	-	-
SUCKERS	1,400	70	4,900	225	-	-
TOTAL	1,299,100	94,108	2,683,300	272,429	292,400	71,375

SPECIES	GILL NETS, ANCHOR		TRAMMEL NETS	
	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	700	$21
BUFFALOFISH	21,200	$2,071	1,271,100	125,095
BULLHEADS	25,900	4,481	1,300	225
CARP	17,900	859	1,384,400	62,707
CATFISH	1,100	275	41,100	10,275
GARFISH	-	-	2,500	125
PADDLEFISH	3,500	430	18,800	2,289
QUILLBACK	-	-	12,200	590
SHEEPSHEAD	-	-	112,000	9,160
STURGEON, SHOVELNOSE	-	-	2,900	236
TOTAL	69,600	8,116	2,847,000	210,723

(CONTINUED ON NEXT PAGE)

ILLINOIS - CATCH BY GEAR, 1960 - Continued

SPECIES	LINES				CROWFOOT BARS	
	LONG OR SET WITH HOOKS		SNAG			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	17,200	$1,828	1,000	$110	-	-
BULLHEADS	2,600	447	-	-	-	-
CARP	32,600	1,365	3,000	120	-	-
CATFISH	132,400	33,100	2,000	500	-	-
PADDLEFISH	2,000	200	2,000	200	-	-
QUILLBACK	1,000	50	-	-	-	-
SHEEPSHEAD	17,300	1,584	1,000	100	-	-
STURGEON, SHOVELNOSE	2,200	428	-	-	-	-
MUSSEL SHELLS	-	-	-	-	400,000	$14,000
PEARLS AND SLUGS	-	-	-	-	-	1,600
TOTAL	207,300	39,002	9,000	1,030	400,000	15,600

* * *

ILLINOIS - CATCH BY WATERS, 1960

SPECIES	MISSISSIPPI RIVER AND TRIBUTARIES		ILLINOIS RIVER AND TRIBUTARIES		WABASH RIVER AND TRIBUTARIES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	7,600	$228	2,200	$88	-	-
BUFFALOFISH	1,482,200	144,810	834,400	81,521	19,900	$1,944
BULLHEADS	33,200	5,743	53,500	9,252	-	-
CARP	1,516,000	72,768	1,155,300	55,454	43,700	2,098
CATFISH	601,000	150,250	110,100	27,525	13,600	3,400
CRAPPIES	28,800	5,184	25,000	4,500	-	-
GARFISH	5,200	260	-	-	-	-
PADDLEFISH	29,100	3,579	1,800	221	600	74
QUILLBACK	38,900	1,945	6,700	335	2,400	120
SHEEPSHEAD	475,500	38,040	68,800	5,504	3,000	240
STURGEON, SHOVELNOSE	4,700	568	-	-	2,500	475
SUCKERS	2,500	125	1,500	75	1,300	65
MUSSEL SHELLS	-	-	-	-	400,000	14,000
PEARLS AND SLUGS	-	-	-	-	-	1,600
TOTAL	4,224,700	423,500	2,259,300	184,475	487,000	24,016

SPECIES	OHIO RIVER		INLAND LAKES AND STREAMS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	-	-	9,800	$316
BUFFALOFISH	93,000	$10,230	238,700	$23,870	2,668,200	262,375
BULLHEADS	-	-	-	-	86,700	14,995
CARP	138,000	5,520	236,600	7,910	3,089,600	143,750
CATFISH	91,000	28,750	-	-	815,700	209,925
CRAPPIE	-	-	-	-	53,800	9,684
GARFISH	-	-	-	-	5,200	260
PADDLEFISH	6,000	600	-	-	37,500	4,474
QUILLBACK	2,000	60	1,000	50	51,000	2,510
SHEEPSHEAD	21,000	2,100	3,400	272	571,700	46,156
STURGEON, SHOVELNOSE	5,000	1,000	-	-	12,200	2,043
SUCKERS	1,000	30	-	-	6,300	295
MUSSEL SHELLS	-	-	-	-	400,000	14,000
PEARLS AND SLUGS	-	-	-	-	-	1,600
TOTAL	357,000	48,290	479,700	32,102	7,807,700	712,383

INDIANA

OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	HOOP AND FYKE NETS, FISH	LINES, LONG OR SET WITH HOOKS	CROWFOOT BARS	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE, CASUAL, TOTAL. . . .	28	55	40	50	10	113
BOATS, MOTOR.	24	55	40	50	-	109
GEAR:						
NUMBER.	28	165	135	50	-	-
LENGTH, YARDS	3,200	-	-	-	-	-
HOOKS	-	-	10,000	-	-	-

INDIANA - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		HOOP AND FYKE NETS	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH.	13,000	$1,450	6,000	$700
CARP	22,000	1,060	12,000	460
CATFISH.	2,000	500	28,000	7,400
PADDLEFISH	2,000	300	-	-
QUILLBACK.	1,000	30	1,000	30
SHEEPSHEAD	4,000	280	7,000	640
SUCKERS.	-	-	1,000	30
TOTAL	44,000	3,620	55,000	9,260

SPECIES	LINES, LONG OR SET WITH HOOKS		CROWFOOT BARS		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH.	1,000	$150	-	-	-	-
CARP	1,000	30	-	-	-	-
CATFISH.	6,000	1,500	-	-	-	-
SHEEPSHEAD	1,000	100	-	-	-	-
MUSSEL SHELLS.	-	-	800,000	$28,000	100,000	$3,500
PEARLS AND SLUGS	-	-	-	3,500	-	1,000
TOTAL	9,000	1,780	800,000	31,500	100,000	4,500

INDIANA - CATCH BY WATERS, 1960

SPECIES	OHIO RIVER		WABASH RIVER		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH.	6,000	$900	14,000	$1,400	20,000	$2,300
CARP	10,000	300	25,000	1,250	35,000	1,550
CATFISH.	26,000	6,500	10,000	2,900	36,000	9,400
PADDLEFISH	1,000	200	1,000	100	2,000	300
QUILLBACK.	2,000	60	-	-	2,000	60
SHEEPSHEAD	6,000	600	6,000	420	12,000	1,020
SUCKERS.	1,000	30	-	-	1,000	30
MUSSEL SHELLS.	-	-	900,000	31,500	900,000	31,500
PEARLS AND SLUGS	-	-	-	4,500	-	4,500
TOTAL	52,000	8,590	956,000	42,070	1,008,000	50,660

IOWA

OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	WEIRS	POUND NETS	HOOP NETS, FISH	FYKE NETS, FISH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	45	4	4	100	60
CASUAL	101	-	-	228	13
TOTAL	146	4	4	328	73
BOATS:					
MOTOR	43	-	4	328	75
OTHER	36	-	-	-	-
GEAR:					
NUMBER	43	8	40	2,972	730
LENGTH, YARDS	10,500	-	-	-	-

ITEM	POTS AND TRAPS	GILL NETS, ANCHOR	TRAMMEL NETS	LINES, LONG OR SET WITH HOOKS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	100	122	110	100	152
CASUAL	148	50	60	413	529
TOTAL	248	172	170	513	681
BOATS:					
MOTOR	248	170	170	513	580
OTHER	-	-	-	-	36
GEAR:					
NUMBER	4,062	424	240	1,635	-
SQUARE YARDS	-	32,600	47,000	-	-
HOOKS	-	-	-	159,750	-

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IOWA - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		WEIRS		POUND NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	303,800	$26,342	-	-	8,400	$337
BULLHEADS	1,400	280	-	-	-	-
CARP	859,400	17,898	52,400	$466	15,100	145
CATFISH	58,300	12,243	-	-	-	-
PADDLEFISH	8,600	1,032	-	-	-	-
SHEEPSHEAD	142,300	9,294	-	-	-	-
STURGEON, SHOVELNOSE	6,500	975	-	-	-	-
SUCKERS	1,700	68	-	-	-	-
TOTAL	1,382,000	68,132	52,400	466	23,500	482

(CONTINUED ON NEXT PAGE)

MISSISSIPPI RIVER FISHERIES

IOWA - CATCH BY GEAR, 1960 - Continued

SPECIES	HOOP AND FYKE NETS		POTS AND TRAPS		GILL NETS, ANCHOR	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	630,000	$88,300	-	-	36,300	$4,470
BULLHEADS	14,000	2,800	10,000	$2,000	-	-
CARP	581,000	23,920	-	-	77,500	3,202
CATFISH	109,000	27,250	329,000	84,986	-	-
PADDLEFISH	2,500	300	-	-	-	-
SHEEPSHEAD	295,000	23,310	-	-	8,000	640
STURGEON, SHOVELNOSE	12,000	1,800	-	-	-	-
SUCKERS	26,000	1,040	-	-	-	-
TOTAL	1,669,500	168,720	339,000	86,986	121,800	8,312

SPECIES	TRAMMEL NETS		LINES, LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	45,900	$6,526	2,000	$300
BULLHEADS	-	-	3,400	680
CARP	29,800	1,708	12,700	508
CATFISH	7,300	1,825	91,400	21,986
SHEEPSHEAD	21,900	1,752	11,200	784
STURGEON, SHOVELNOSE	2,100	315	1,000	120
TOTAL	107,000	12,126	121,700	24,378

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IOWA - CATCH BY WATERS, 1960

SPECIES	MISSISSIPPI RIVER AND TRIBUTARIES		MISSOURI RIVER		INLAND LAKES AND STREAMS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	969,900	$121,506	20,000	$3,000	36,500	$1,769	1,026,400	$126,275
BULLHEADS	28,800	5,760	-	-	-	-	28,800	5,760
CARP	915,900	37,812	76,000	3,800	636,000	6,235	1,627,900	47,847
CATFISH	556,000	138,540	39,000	9,750	-	-	595,000	148,290
PADDLEFISH	11,100	1,332	-	-	-	-	11,100	1,332
SHEEPSHEAD	466,200	35,583	1,000	80	11,200	117	478,400	35,780
STURGEON, SHOVELNOSE	21,600	3,210	-	-	-	-	21,600	3,210
SUCKERS	27,700	1,108	-	-	-	-	27,700	1,108
TOTAL	2,997,200	344,851	136,000	16,630	683,700	8,121	3,816,900	369,602

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KANSAS

OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	FYKE NETS, FISH	TRAMMEL NETS	LINES, LONG OR SET WITH HOOKS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	1	2	2	4	4
CASUAL	4	27	33	43	66
TOTAL	5	29	35	47	70
BOATS, MOTOR	5	29	30	44	66
GEAR:					
NUMBER	5	128	37	127	-
LENGTH, YARDS	375	-	-	-	-
SQUARE YARDS	-	-	10,640	-	-
HOOKS	-	-	-	1,536	-

KANSAS - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		FYKE NETS		TRAMMEL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	800	$160	1,700	$250	5,200	$1,040
CARP	1,700	170	18,800	1,880	20,000	2,000
CATFISH	600	180	1,600	400	1,100	260
PADDLEFISH	-	-	-	-	500	150
QUILLBACK	-	-	500	50	2,400	240
TOTAL	3,100	510	22,600	2,580	29,200	3,690

SPECIES	LINES, LONG OR SET WITH HOOKS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	600	$90	8,300	$1,540
CARP	2,100	210	42,600	4,260
CATFISH	2,000	500	5,300	1,340
PADDLEFISH	-	-	500	150
QUILLBACK	-	-	2,900	290
STURGEON, SHOVELNOSE	500	150	500	150
TOTAL	5,200	950	60,100	7,730

NOTE:--THE COMMERCIAL FISHERIES OF KANSAS ARE CONFINED TO THE MISSOURI RIVER.

KENTUCKY

OPERATING UNITS BY GEAR, 1960

SPECIES	HAUL SEINES, COMMON	FYKE NETS, FISH	TRAMMEL NETS	LINES		CROWFOOT BARS	TOTAL, EXCLUSIVE OF DUPLICATION
				LONG OR SET WITH HOOKS	SNAG		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:							
REGULAR	5	70	30	70	65	-	70
CASUAL	35	845	-	585	245	80	1,260
TOTAL	40	915	30	655	310	80	1,330
BOATS:							
MOTOR	20	915	30	655	310	-	1,315
OTHER	5	-	-	-	-	80	85
GEAR:							
NUMBER	20	2,995	30	1,915	1,208	160	-
LENGTH, YARDS	2,400	-	-	-	-	-	-
SQUARE YARDS	-	-	10,000	-	-	-	-
HOOKS	-	-	-	121,000	235,660	-	

KENTUCKY - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		FYKE NETS		TRAMMEL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	5,000	$700	289,300	$40,502	65,400	$9,156
CARP	15,000	750	275,300	13,765	44,700	2,235
CATFISH	1,600	400	315,300	78,825	7,700	1,925
PADDLEFISH	1,200	120	16,000	1,600	46,200	4,620
QUILLBACK	-	-	26,100	1,044	-	-
SHEEPSHEAD	1,000	70	458,100	32,061	-	-
STURGEON, SHOVELNOSE	500	50	3,000	300	500	50
SUCKERS	15,300	612	41,800	1,672	10,200	408
TOTAL	39,600	2,702	1,424,900	169,769	174,700	18,394

SPECIES	LINES				CROWFOOT BARS	
	LONG OR SET WITH HOOKS		SNAG			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	19,400	$2,716	18,100	$2,535	-	-
CARP	24,400	1,220	8,800	440	-	-
CATFISH	186,000	46,500	94,100	23,525	-	-
PADDLEFISH	28,500	2,850	25,200	2,520	-	-
QUILLBACK	1,600	64	1,000	40	-	-
SHEEPSHEAD	40,400	2,828	7,300	510	-	-
STURGEON, SHOVELNOSE	2,300	230	500	50	-	-
SUCKERS	6,000	240	1,000	40	-	-
MUSSEL SHELLS	-	-	-	-	1,356,000	$49,810
PEARLS AND SLUGS	-	-	-	-	-	4,242
TOTAL	308,600	56,648	156,000	29,660	1,356,000	54,052

KENTUCKY - CATCH BY WATERS, 1960

SPECIES	MISSISSIPPI RIVER		CUMBERLAND RIVER		OHIO RIVER AND TRIBUTARIES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	6,300	$882	32,500	$4,551	322,100	$45,094
CARP	11,800	590	29,600	1,480	296,200	14,810
CATFISH	20,000	5,000	66,900	16,725	332,700	83,175
PADDLEFISH	1,000	100	7,400	740	80,000	8,000
QUILLBACK	-	-	1,500	60	23,100	924
SHEEPSHEAD	3,800	266	14,000	980	466,300	32,635
STURGEON, SHOVELNOSE	1,800	180	500	50	3,500	350
SUCKERS	900	36	900	36	68,400	2,736
MUSSEL SHELLS	-	-	-	-	660,000	25,450
PEARLS AND SLUGS	-	-	-	-	-	1,980
TOTAL	45,600	7,054	153,300	24,622	2,252,300	215,154

SPECIES	TENNESSEE RIVER		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	36,300	$5,082	397,200	$55,609
CARP	30,600	1,530	368,200	18,410
CATFISH	185,100	46,275	604,700	151,175
PADDLEFISH	28,700	2,870	117,100	11,710
QUILLBACK	4,100	164	28,700	1,148
SHEEPSHEAD	22,700	1,588	506,800	35,469
STURGEON, SHOVELNOSE	1,000	100	6,800	680
SUCKERS	4,100	164	74,300	2,972
MUSSEL SHELLS	696,000	24,360	1,356,000	49,810
PEARLS AND SLUGS	-	2,262	-	4,242
TOTAL	1,008,600	84,395	3,459,800	331,225

LOUISIANA

OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	HOOP NETS, FISH	POTS, CRAWFISH	GILL NETS, ANCHOR	TRAMMEL NETS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	6	625	88	597	353
CASUAL	-	550	319	410	175
TOTAL	6	1,175	407	1,007	528
BOATS, MOTOR	2	1,150	407	996	523
GEAR:					
NUMBER	2	16,509	14,435	3,803	1,600
LENGTH, YARDS	2,000	-	-	-	-
SQUARE YARDS	-	-	-	464,203	142,621

ITEM	LINES		DIP NETS, COMMON	GRABS, FROG	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	HAND	LONG OR SET WITH HOOKS				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:						
REGULAR	13	627	32	41	12	643
CASUAL	20	841	247	132	28	882
TOTAL	33	1,468	279	173	40	1,525
BOATS, MOTOR	33	1,461	189	173	40	1,512
GEAR:						
NUMBER	33	3,654	279	174	-	-
HOOKS	33	344,160	-	-	-	-

LOUISIANA - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		HOOP NETS		POTS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	4,100	$174	8,400	$363	-	-
BUFFALOFISH	56,300	7,998	1,130,900	133,670	-	-
CARP	10,300	412	186,500	7,257	-	-
CATFISH	20,400	4,080	1,331,500	247,454	-	-
GARFISH	6,300	315	105,500	5,116	-	-
PADDLEFISH	200	10	9,300	465	-	-
SHEEPSHEAD	12,000	750	245,000	20,203	-	-
CRAWFISH	-	-	-	-	608,800	$73,056
TURTLES, SNAPPER	30,200	3,040	45,300	4,556	-	-
TOTAL	139,800	16,779	3,062,400	419,084	608,800	73,056

SPECIES	GILL NETS, ANCHOR		TRAMMEL NETS		LINES	
					HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	19,700	$822	9,300	$385	-	-
BUFFALOFISH	1,168,500	155,603	402,800	55,709	-	-
CARP	181,900	6,925	78,900	3,111	-	-
CATFISH	321,800	62,750	117,000	22,682	-	-
GARFISH	159,100	7,723	56,000	2,648	-	-
PADDLEFISH	6,600	330	2,500	125	-	-
SHEEPSHEAD	232,200	17,604	79,400	5,193	-	-
TURTLES, SNAPPER	35,700	3,598	22,100	2,214	11,800	$1,330
TOTAL	2,125,500	255,355	768,000	92,067	11,800	1,330

SPECIES	LINES - CONTINUED		DIP NETS, COMMON		GRABS		BY HAND	
	LONG OR SET WITH HOOKS							
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CARP	300	$12	-	-	-	-	-	-
CATFISH	879,700	167,298	-	-	-	-	-	-
GARFISH	423,300	20,781	-	-	-	-	-	-
PADDLEFISH	19,200	942	-	-	-	-	-	-
SHEEPSHEAD	1,400	140	-	-	-	-	-	-
TURTLES:								
BABY	-	-	33,300	$249,750	-	-	-	-
SNAPPER	70,600	7,200	-	-	-	-	9,500	$950
FROGS	-	-	-	-	89,000	$31,150	14,000	4,900
TOTAL	1,394,500	196,373	33,300	249,750	89,000	31,150	23,500	5,850

LOUISIANA - CATCH BY WATERS, 1960

SPECIES	MISSISSIPPI RIVER AND TRIBUTARIES		ATCHAFALAYA RIVER		BOEUF RIVER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	800	$40	11,000	$440	500	$25
BUFFALOFISH	195,800	28,713	768,200	67,218	149,700	20,271
CARP	41,800	1,672	102,600	4,077	21,800	872
CATFISH	193,800	38,760	1,544,700	279,076	75,000	15,008
GARFISH	35,300	1,765	312,500	14,698	27,200	1,360
PADDLEFISH	3,100	155	1,800	72	4,200	210
SHEEPSHEAD	26,300	1,485	280,600	24,325	18,500	925
CRAWFISH	15,000	1,800	593,800	71,256	-	-
TURTLES:						
BABY	1,400	10,500	16,600	124,500	900	6,750
SNAPPER	39,000	3,982	16,000	1,644	1,800	180
FROGS	13,200	4,620	24,000	8,400	5,800	2,030
TOTAL	565,500	93,492	3,671,800	595,706	305,400	47,631

SPECIES	QUACHITA RIVER		RED RIVER AND TRIBUTARIES		INLAND LAKES AND STREAMS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	15,800	$666	2,800	$88	10,600	$485	41,500	$1,744
BUFFALOFISH	575,500	86,325	282,800	36,051	786,500	114,402	2,758,500	352,980
CARP	88,800	3,552	64,500	2,064	138,400	5,480	457,900	17,717
CATFISH	211,700	42,380	142,800	28,560	502,400	100,480	2,670,400	504,264
GARFISH	57,800	2,890	189,700	9,485	127,700	6,385	750,200	36,583
PADDLEFISH	4,200	210	10,700	535	13,800	690	37,800	1,872
SHEEPSHEAD	64,300	3,215	84,300	8,065	96,000	5,875	570,000	43,890
CRAWFISH	-	-	-	-	-	-	608,800	73,056
TURTLES:								
BABY	-	-	800	6,000	13,600	102,000	33,300	249,750
SNAPPER	26,400	2,640	7,500	900	134,500	13,542	225,200	22,888
FROGS	16,600	5,810	900	315	42,500	14,875	103,000	36,050
TOTAL	1,061,100	147,688	786,800	92,063	1,866,000	364,214	8,256,600	1,340,794

MINNESOTA

OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	WEIRS	FYKE NETS, FISH	GILL NETS, ANCHOR	LINES, LONG OR SET WITH HOOKS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:						
REGULAR	85	53	29	203	3	285
CASUAL	161	100	108	93	26	369
TOTAL	246	153	137	296	29	654
BOATS:						
MOTOR	57	10	24	231	29	281
OTHER	29	-	-	-	-	29
GEAR:						
NUMBER	29	77	2,151	296	75	-
LENGTH, YARDS	19,000	-	-	-	-	-
SQUARE YARDS	-	-	-	406,000	-	-
HOOKS	-	-	-	-	7,500	-

MINNESOTA - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		WEIRS		FYKE NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	806,000	$81,600	18,000	$1,800	-	-
BULLHEADS	-	-	-	-	2,709,800	$189,686
CARP	5,027,800	51,810	1,390,800	12,517	-	-
SHEEPSHEAD	63,000	2,580	-	-	-	-
SUCKERS	2,000	100	19,300	193	6,800	68
YELLOW PERCH	-	-	-	-	40,000	2,800
TOTAL	5,898,800	136,090	1,428,100	14,510	2,756,600	192,554

SPECIES	GILL NETS, ANCHOR		LINES, LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	1,500	$30
BUFFALOFISH	36,000	$5,400	-	-
BULLHEADS	-	-	3,500	525
CARP	161,400	8,070	7,800	390
CATFISH	10,600	2,660	28,600	7,150
GARFISH	2,000	40	-	-
MOONEYE	59,500	15,452	-	-
PIKE	20,800	3,468	-	-
SHEEPSHEAD	258,700	8,924	7,000	560
SUCKERS	1,700	85	-	-
WHITEFISH	140,500	46,592	-	-
YELLOW PERCH	230,700	51,650	-	-
YELLOW PIKE	655,800	232,213	-	-
TOTAL	1,577,700	374,554	48,400	8,655

MINNESOTA - CATCH BY WATERS, 1960

SPECIES	MISSISSIPPI RIVER		RED LAKE		INLAND LAKES AND STREAMS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	1,500	$30	-	-	-	-	1,500	$30
BUFFALOFISH	56,000	8,400	-	-	804,000	$80,400	860,000	88,800
BULLHEADS	3,500	525	-	-	2,709,800	189,686	2,713,300	190,211
CARP	329,400	16,470	-	-	6,258,400	56,317	6,587,800	72,787
CATFISH	38,600	9,650	600	$160	-	-	39,200	9,810
GARFISH	2,000	40	-	-	-	-	2,000	40
MOONEYE	-	-	59,500	15,452	-	-	59,500	15,452
PIKE	-	-	20,800	3,468	-	-	20,800	3,468
SHEEPSHEAD	26,200	2,096	253,300	8,492	49,200	1,476	328,700	12,064
SUCKERS	3,700	185	-	-	26,100	261	29,800	446
WHITEFISH	-	-	140,500	46,592	-	-	140,500	46,592
YELLOW PERCH	-	-	230,700	51,650	40,000	2,800	270,700	54,450
YELLOW PIKE	-	-	655,800	232,213	-	-	655,800	232,213
TOTAL	460,900	37,396	1,361,200	358,027	9,887,500	330,940	11,709,600	726,363

MISSISSIPPI RIVER FISHERIES
MISSISSIPPI

OPERATING UNITS BY GEAR, 1960

ITEM	HOOP NETS	GILL NETS, ANCHOR	TRAMMEL NETS	LINES: LONG OR SET WITH HOOKS	LINES: SNAG	DIP NETS, COMMON	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:							
REGULAR	100	75	26	109	49	20	155
CASUAL	203	88	21	247	105	46	308
TOTAL	303	163	47	356	154	66	463
BOATS:							
MOTOR	266	132	37	251	122	40	357
OTHER	-	-	-	-	-	5	5
GEAR:							
NUMBER	3,475	414	72	1,655	474	66	-
SQUARE YARDS	-	165,400	24,400	-	-	-	-
HOOKS	-	-	-	546,150	706,500	-	-

MISSISSIPPI - CATCH BY GEAR, 1960

SPECIES	HOOP NETS		GILL NETS, ANCHOR		TRAMMEL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	767,800	$92,136	367,500	$44,100	90,500	$10,860
BULLHEADS	1,900	285	-	-	-	-
CARP	157,000	6,280	102,400	4,088	20,200	808
CATFISH	87,600	21,900	66,100	16,525	12,600	3,150
GARFISH	1,500	45	4,000	120	2,000	60
PADDLEFISH	1,000	120	2,000	240	1,000	120
QUILLBACK	400	12	-	-	-	-
SHEEPSHEAD	16,400	1,148	16,100	1,127	12,000	840
TURTLES:						
SNAPPER	1,000	80	500	40	1,000	80
SOFT-SHELL	500	40	-	-	-	-
TOTAL	1,035,100	122,046	558,600	66,240	139,300	15,918

SPECIES	LINES: LONG OR SET WITH HOOKS		LINES: SNAG		DIP NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	8,000	$960	3,000	$360	-	-
BULLHEADS	9,300	1,395	-	-	-	-
CARP	6,000	240	4,000	160	-	-
CATFISH	282,800	70,700	119,900	29,975	-	-
GARFISH	6,000	180	2,000	60	-	-
PADDLEFISH	-	-	4,500	540	-	-
SHEEPSHEAD	8,000	560	2,500	175	-	-
TURTLES:						
BABY	-	-	-	-	2,500	$18,000
SNAPPER	1,000	80	1,500	120	-	-
SOFT-SHELL	-	-	500	40	-	-
TOTAL	321,100	74,115	137,900	31,430	2,500	18,000

MISSISSIPPI - CATCH BY WATERS, 1960

SPECIES	MISSISSIPPI RIVER		INLAND LAKES AND STREAMS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	430,700	$51,684	806,100	$96,732	1,236,800	$148,416
BULLHEADS	1,500	225	9,700	1,455	11,200	1,680
CARP	156,600	6,256	133,000	5,320	289,600	11,576
CATFISH	305,300	76,325	263,700	65,925	569,000	142,250
GARFISH	15,500	465	-	-	15,500	465
PADDLEFISH	8,500	1,020	-	-	8,500	1,020
QUILLBACK	-	-	400	12	400	12
SHEEPSHEAD	45,000	3,150	10,000	700	55,000	3,850
TURTLES:						
BABY	2,500	18,000	-	-	2,500	18,000
SNAPPER	5,000	400	-	-	5,000	400
SOFT-SHELL	1,000	80	-	-	1,000	80
TOTAL	971,600	157,605	1,222,900	170,144	2,194,500	327,749

MISSOURI

OPERATING UNITS BY GEAR, 1960

ITEM	FYKE NETS, FISH	TRAMMEL NETS	LINES, LONG OR SET WITH HOOKS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:				
REGULAR	40	38	23	40
CASUAL	132	121	96	270
TOTAL	172	159	119	310
BOATS, MOTOR	172	159	119	310
GEAR:				
NUMBER	1,272	159	221	-
SQUARE YARDS	-	21,240	-	-
HOOKS	-	-	22,100	-

MISSOURI - CATCH BY GEAR, 1960

SPECIES	FYKE NETS		TRAMMEL NETS		LINES, LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	40,000	$5,600	38,800	$5,432	800	$112
CARP	81,600	4,080	73,000	3,650	4,100	205
CATFISH	17,300	4,325	19,500	4,875	12,100	3,025
GARFISH	1,200	60	9,900	495	-	-
PADDLEFISH	2,100	210	10,300	1,030	-	-
QUILLBACK	3,900	195	6,600	330	-	-
SHEEPSHEAD	12,200	854	5,600	392	2,500	175
STURGEON, SHOVELNOSE	-	-	2,300	230	-	-
TOTAL	158,300	15,324	166,000	16,434	19,500	3,517

MISSOURI - CATCH BY WATERS, 1960

SPECIES	MISSISSIPPI RIVER		MISSOURI RIVER		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	50,300	$7,042	29,300	$4,102	79,600	$11,144
CARP	69,400	3,470	89,300	4,465	158,700	7,935
CATFISH	28,900	7,225	20,000	5,000	48,900	12,225
GARFISH	8,100	405	3,000	150	11,100	555
PADDLEFISH	8,000	800	4,400	440	12,400	1,240
QUILLBACK	6,400	320	4,100	205	10,500	525
SHEEPSHEAD	16,500	1,155	3,800	266	20,300	1,421
STURGEON, SHOVELNOSE	2,300	230	-	-	2,300	230
TOTAL	189,900	20,647	153,900	14,628	343,800	35,275

MONTANA

THE COMMERCIAL FISHERIES OF MONTANA, IN THE TRIBUTARIES OF THE MISSISSIPPI RIVER, ARE CONFINED TO THE FORT PECK RESERVOIR OF THE MISSOURI RIVER. THREE CASUAL FISHERMEN, EMPLOYING TWO MOTOR BOATS AND TWO OTHER BOATS, FISHED 24 POUND NETS. THE CATCH CONSISTED OF 20,800 POUNDS OF BUFFALOFISH, VALUED AT $1,640 TO THE FISHERMEN.

NEBRASKA

OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	HOOP NETS, FISH	FYKE NETS, FISH	POTS AND TRAPS	TRAMMEL NETS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:						
REGULAR	22	3	19	3	3	22
CASUAL	27	178	-	47	180	220
TOTAL	49	181	19	50	183	242
BOATS:						
MOTOR	34	178	19	50	183	227
OTHER	15	-	-	-	-	15
GEAR:						
NUMBER	31	1,348	80	374	183	-
LENGTH, YARDS	4,000	-	-	-	-	-
SQUARE YARDS	-	-	-	-	29,280	-

NEBRASKA - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		HOOP AND FYKE NETS		POTS AND TRAPS		TRAMMEL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	3,600	$632	-	-	-	-	7,000	$1,540
BULLHEADS	-	-	82,900	$2,011	-	-	-	-
CARP	339,800	13,624	27,900	5,300	-	-	30,000	5,700
CATFISH	-	-	12,000	4,440	13,800	$5,106	-	-
QUILLBACK	23,700	474	-	-	-	-	-	-
TOTAL	367,100	14,730	122,800	11,751	13,800	5,106	37,000	7,240

NEBRASKA - CATCH BY WATERS, 1960

SPECIES	MISSOURI RIVER		INLAND LAKES AND STREAMS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	9,600	$2,112	1,000	$60	10,600	$2,172
BULLHEADS	-	-	82,900	2,011	82,900	2,011
CARP	87,900	16,700	309,800	7,924	397,700	24,624
CATFISH	25,800	9,546	-	-	25,800	9,546
QUILLBACK	-	-	23,700	474	23,700	474
TOTAL	123,300	28,358	417,400	10,469	540,700	38,827

NORTH DAKOTA

OPERATING UNITS BY GEAR, 1960

ITEM	POUND NETS	FYKE NETS, FISH	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:			
REGULAR	1	7	8
CASUAL	4	8	12
TOTAL	5	15	20
BOATS, MOTOR	2	3	5
GEAR, NUMBER	12	210	-

NORTH DAKOTA - CATCH BY GEAR, 1960

SPECIES	POUND NETS		FYKE NETS	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	100,000	$6,000	-	-
BULLHEADS	-	-	410,000	$24,600
SUCKERS	-	-	317,000	4,000
TOTAL	100,000	6,000	727,000	28,600

NORTH DAKOTA - CATCH BY WATERS, 1960

SPECIES	MISSOURI RIVER		INLAND LAKES AND STREAMS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	100,000	$6,000	-	-	100,000	$6,000
BULLHEADS	-	-	410,000	$24,600	410,000	24,600
SUCKERS	-	-	317,000	4,000	317,000	4,000
TOTAL	100,000	6,000	727,000	28,600	827,000	34,600

OKLAHOMA

OPERATING UNITS BY GEAR, 1960

ITEM	GILL NETS, ANCHOR	TRAMMEL NETS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:			
REGULAR	33	26	33
CASUAL	17	-	17
TOTAL	50	26	50
BOATS, MOTOR	50	26	50
GEAR:			
NUMBER	107	26	-
SQUARE YARDS	50,750	6,500	-

OKLAHOMA - CATCH BY GEAR, 1960

SPECIES	GILL NETS, ANCHOR		TRAMMEL NETS	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	98,300	$11,796	13,500	$1,620
CARP	94,500	4,725	15,700	785
CATFISH	46,800	11,700	8,300	2,075
PADDLEFISH	5,100	1,020	1,000	200
QUILLBACK	5,300	265	600	30
SHEEPSHEAD	15,400	2,310	2,800	420
WHITE BASS	22,300	4,460	4,500	900
TOTAL	287,700	36,276	46,400	6,030

OKLAHOMA - CATCH BY WATERS, 1960

SPECIES	ARKANSAS RIVER		RED RIVER	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	45,600	$5,472	44,700	$5,364
CARP	83,000	4,150	15,800	790
CATFISH	46,000	11,500	5,400	1,350
PADDLEFISH	6,100	1,220	-	-
QUILLBACK	2,300	115	1,200	60
SHEEPSHEAD	17,200	2,580	400	60
WHITE BASS	26,700	5,340	-	-
TOTAL	226,900	30,377	67,500	7,624

SPECIES	INLAND LAKES AND STREAMS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	21,500	$2,580	111,800	$13,416
CARP	11,400	570	110,200	5,510
CATFISH	3,700	925	55,100	13,775
PADDLEFISH	-	-	6,100	1,220
QUILLBACK	2,400	120	5,900	295
SHEEPSHEAD	600	90	18,200	2,730
WHITE BASS	100	20	26,800	5,360
TOTAL	39,700	4,305	334,100	42,306

SOUTH DAKOTA

OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	FYKE NETS, FISH	GILL NETS, ANCHOR	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:				
REGULAR	-	-	2	2
CASUAL	25	25	6	31
TOTAL	25	25	8	33
BOATS:				
MOTOR	5	12	3	15
OTHER	5	-	-	5
GEAR:				
NUMBER	5	200	13	-
LENGTH, YARDS	5,000	-	-	-
SQUARE YARDS	-	-	8,600	-

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SOUTH DAKOTA - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		FYKE NETS		GILL NETS, ANCHOR	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	413,000	$41,300	-	-	483,700	$56,000
BULLHEADS	-	-	81,000	$2,430	-	-
CARP	1,155,600	34,668	-	-	-	-
PADDLEFISH	-	-	-	-	50,000	5,000
SUCKERS	18,400	460	-	-	-	-
TOTAL	1,587,000	76,428	81,000	2,430	533,700	61,000

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SOUTH DAKOTA - CATCH BY WATERS, 1960

SPECIES	MISSOURI RIVER		INLAND LAKES AND STREAMS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	483,700	$56,000	413,000	$41,300	896,700	$97,300
BULLHEADS	-	-	81,000	2,430	81,000	2,430
CARP	-	-	1,155,600	34,668	1,155,600	34,668
PADDLEFISH	50,000	5,000	-	-	50,000	5,000
SUCKERS	-	-	18,400	460	18,400	460
TOTAL	533,700	61,000	1,668,000	78,858	2,201,700	139,858

MISSISSIPPI RIVER FISHERIES

TENNESSEE

OPERATING UNITS BY GEAR, 1960

ITEM	HOOP NETS, FISH	FYKE NETS, FISH	GILL NETS, ANCHOR	TRAMMEL NETS	LINES
					LONG OR SET WITH HOOKS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR.	195	69	41	109	225
CASUAL	250	104	42	67	370
TOTAL	445	173	83	176	595
BOATS, MOTOR	407	133	83	160	545
GEAR:					
NUMBER	4,456	1,110	151	367	4,154
SQUARE YARDS	-	-	55,632	145,600	-
HOOKS.	-	-	-	-	377,750

ITEM	LINES - CONTINUED	DIP NETS, COMMON	CROWFOOT BARS	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	SNAG				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR.	150	45	253	-	654
CASUAL	117	130	20	75	692
TOTAL	267	175	273	75	1,346
BOATS:					
MOTOR.	241	95	-	-	892
OTHER.	-	60	273	-	333
GEAR:					
NUMBER	1,478	175	583	-	-
HOOKS.	693,400	-	-	-	-

TENNESSEE - CATCH BY GEAR, 1960

SPECIES	HOOP AND FYKE NETS		GILL NETS, ANCHOR		TRAMMEL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	22,300	$1,335	500	$30	4,400	$264
BUFFALOFISH.	219,900	26,368	61,000	7,320	676,300	80,796
BULLHEADS.	1,300	195	100	15	700	105
CARP	131,500	5,870	21,700	888	329,600	15,320
CATFISH.	217,100	54,150	11,200	2,800	271,800	67,950
GARFISH.	1,100	23	100	3	100	3
PADDLEFISH	3,700	705	3,500	645	65,400	13,060
QUILLBACK.	4,500	260	2,500	250	76,600	7,650
SHEEPSHEAD	90,500	8,750	800	68	20,300	1,905
STURGEON, SHOVELNOSE	300	55	-	-	600	105
SUCKERS.	5,500	265	900	45	300	15
YELLOW BASS.	1,200	240	-	-	100	20
TOTAL	698,900	98,216	102,300	12,064	1,446,200	187,193

SPECIES	LINES				DIP NETS	
	LONG OR SET WITH HOOKS		SNAG			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	1,800	$76	500	$23	-	-
BUFFALOFISH.	14,500	1,740	12,000	1,440	-	-
BULLHEADS.	2,800	420	-	-	-	-
CARP	13,000	570	7,900	340	-	-
CATFISH.	565,300	141,325	264,500	66,125	-	-
GARFISH.	1,000	25	-	-	-	-
PADDLEFISH	-	-	85,800	16,820	-	-
QUILLBACK.	1,500	75	-	-	-	-
SHEEPSHEAD	13,300	1,205	2,300	222	-	-
STURGEON, SHOVELNOSE	1,700	265	3,800	760	-	-
SUCKERS.	-	-	2,800	137	-	-
YELLOW BASS.	2,000	400	-	-	-	-
TURTLES, BABY.	-	-	-	-	5,000	$36,000
TOTAL	616,900	146,101	379,600	85,867	5,000	36,000

(CONTINUED ON NEXT PAGE)

TENNESSEE - CATCH BY GEAR, 1960 - Continued

SPECIES	CROWFOOT BARS		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE
MUSSEL SHELLS	6,948,000	$405,080	-	-
PEARLS AND SLUGS	-	25,748	-	-
TURTLES, BABY	-	-	1,200	$8,640
TOTAL	6,948,000	430,828	1,200	8,640

TENNESSEE - CATCH BY WATERS, 1960

SPECIES	MISSISSIPPI RIVER AND TRIBUTARIES		CUMBERLAND RIVER		TENNESSEE RIVER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	3,700	$188	-	-	800	$40
BUFFALOFISH	89,500	10,740	24,700	$2,944	628,900	75,108
CARP	64,000	2,560	27,000	1,080	284,000	14,200
CATFISH	122,100	30,525	68,500	17,000	994,000	248,500
GARFISH	800	24	-	-	1,500	30
PADDLEFISH	2,600	390	5,700	855	149,400	29,880
QUILLBACK	1,800	90	3,700	185	79,600	7,960
SHEEPSHEAD	7,200	504	7,000	560	102,300	10,230
STURGEON, SHOVELNOSE	1,900	285	4,000	800	500	100
SUCKERS	1,300	52	5,600	280	2,600	130
MUSSEL SHELLS	-	-	400,000	15,000	6,548,000	390,080
PEARLS AND SLUGS	-	-	-	800	-	24,948
TURTLES, BABY	1,500	10,800	-	-	-	-
TOTAL	296,400	56,158	546,200	39,504	8,791,600	801,206

SPECIES	INLAND LAKES AND STREAMS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	25,000	$1,500	29,500	$1,728
BUFFALOFISH	240,600	28,872	983,700	117,664
BULLHEADS	4,900	735	4,900	735
CARP	128,700	5,148	503,700	22,988
CATFISH	145,300	36,325	1,329,900	332,350
GARFISH	-	-	2,300	54
PADDLEFISH	700	105	158,400	31,230
QUILLBACK	-	-	85,100	8,235
SHEEPSHEAD	10,700	856	127,200	12,150
STURGEON, SHOVELNOSE	-	-	6,400	1,185
SUCKERS	-	-	9,500	462
YELLOW BASS	3,300	660	3,300	660
MUSSEL SHELLS	-	-	6,948,000	405,080
PEARLS AND SLUGS	-	-	-	25,748
TURTLES, BABY	4,700	33,840	6,200	44,640
TOTAL	563,900	108,041	10,198,100	1,004,909

NOTE:--THE CATCH AND SALE OF YELLOW BASS ARE LEGAL IN REELFOOT LAKE.

TEXAS

OPERATING UNITS BY GEAR, 1960

ITEM	HOOP NETS	GILL NETS, ANCHOR	TRAMMEL NETS	LINES, LONG OR SET WITH HOOKS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	24	62	20	30	63
CASUAL	60	151	35	120	201
TOTAL	84	213	55	150	264
BOATS, MOTOR	84	175	55	120	249
GEAR:					
NUMBER	305	360	70	650	-
SQUARE YARDS	-	40,000	8,000	-	-
HOOKS	-	-	-	45,500	-

TEXAS - CATCH BY GEAR, 1960

SPECIES	HOOP NETS		GILL NETS, ANCHOR		TRAMMEL NETS		LINES, LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	53,500	$7,490	306,100	$42,854	32,000	$4,480	8,500	$1,190
BULLHEADS	6,000	900	-	-	-	-	-	-
CARP	15,000	600	130,700	5,228	24,000	960	7,500	300
CATFISH	23,500	6,345	36,000	9,720	10,000	2,700	24,000	6,480
GARFISH	600	18	7,800	234	1,500	45	1,400	42
QUILLBACK	4,500	180	200	8	-	-	-	-
SHEEPSHEAD	3,000	240	1,500	120	1,000	80	3,500	525
SUCKERS	4,500	180	3,000	120	-	-	-	-
TURTLES:								
SLIDER	6,000	180	3,000	90	-	-	-	-
SNAPPER	1,000	100	500	50	-	-	1,500	150
TOTAL	117,600	16,233	488,800	58,424	68,500	8,265	46,400	8,687

NOTE:--THE COMMERCIAL FISHERIES OF TEXAS IN THE MISSISSIPPI RIVER AREA DURING 1960 WERE CONFINED TO THE RED RIVER.

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WISCONSIN

OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	OTTER TRAWLS, FISH	TRAP NETS, FISH	HOOP AND FYKE NETS	POTS AND TRAPS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	41	4	9	7	5
CASUAL	160	4	26	35	58
TOTAL	201	8	35	42	63
BOATS:					
MOTOR	39	3	6	35	63
OTHER	39	-	-	-	-
GEAR:					
NUMBER	39	3	97	599	1,308
LENGTH, YARDS	29,000	-	-	-	-
YARDS AT MOUTH	-	10	-	-	-

ITEM	GILL NETS, ANCHOR	TRAMMEL NETS	LINES, LONG OR SET WITH HOOKS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:				
REGULAR	-	7	26	69
CASUAL	129	-	200	489
TOTAL	129	7	226	558
BOATS:				
MOTOR	129	7	226	310
OTHER	-	-	-	39
GEAR:				
NUMBER	129	7	650	-
SQUARE YARDS	115,200	1,000	-	-
HOOKS	-	-	65,000	-

WISCONSIN - CATCH BY GEAR, 1960

SPECIES	HAUL SEINES		OTTER TRAWLS		TRAP NETS		HOOP AND FYKE NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	-	-	-	-	500	$5
BUFFALOFISH	563,500	$56,350	-	-	-	-	61,600	6,160
BULLHEADS	-	-	-	-	-	-	22,200	1,794
BURBOT	-	-	-	-	10,000	$300	29,000	870
CARP	4,526,500	151,860	-	-	5,000	150	24,800	991
CATFISH	11,800	2,242	-	-	-	-	74,400	14,136
GARFISH	900	9	-	-	-	-	-	-
MOONEYE	2,800	84	-	-	-	-	-	-
QUILLBACK	11,400	342	-	-	7,000	210	1,800	54
SHEEPSHEAD	298,400	13,240	84,000	$2,520	1,760,000	52,800	7,200	360
SUCKERS	84,200	2,526	-	-	-	-	10,500	315
TOTAL	5,499,500	226,653	84,000	2,520	1,782,000	53,460	232,000	24,685

SPECIES	POTS AND TRAPS		GILL NETS, ANCHOR		TRAMMEL NETS		LINES, LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	-	-	-	-	8,500	$85
BUFFALOFISH	-	-	197,600	$19,760	3,000	$300	4,200	420
BULLHEADS	2,600	$182	-	-	-	-	35,400	2,478
CARP	-	-	827,700	32,908	2,200	88	49,000	1,960
CATFISH	127,400	24,206	18,400	3,496	5,700	1,083	320,300	60,857
GARFISH	-	-	3,600	36	-	-	-	-
QUILLBACK	-	-	5,800	174	-	-	-	-
SHEEPSHEAD	-	-	20,100	1,005	2,700	135	30,500	1,525
STURGEON, SHOVELNOSE	-	-	-	-	1,000	180	1,500	270
SUCKERS	-	-	6,700	201	-	-	1,300	39
TURTLES, SNAPPER	-	-	2,600	286	-	-	-	-
TOTAL	130,000	24,388	1,082,500	57,866	14,600	1,786	450,700	67,634

WISCONSIN - CATCH BY WATERS, 1960

SPECIES	MISSISSIPPI RIVER AND TRIBUTARIES		INLAND LAKES AND STREAMS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	9,000	$90	-	-	9,000	$90
BUFFALOFISH	403,900	40,390	426,000	$42,600	829,900	82,990
BULLHEADS	52,200	3,654	8,000	800	60,200	4,454
BURBOT	-	-	39,000	1,170	39,000	1,170
CARP	2,490,200	99,607	2,945,000	88,350	5,435,200	187,957
CATFISH	558,000	106,020	-	-	558,000	106,020
GARFISH	4,500	45	-	-	4,500	45
MOONEYE	2,800	84	-	-	2,800	84
QUILLBACK	12,000	360	14,000	420	26,000	780
SHEEPSHEAD	274,900	13,745	1,928,000	57,840	2,202,900	71,585
STURGEON, SHOVELNOSE	2,500	450	-	-	2,500	450
SUCKERS	29,700	891	73,000	2,190	102,700	3,081
TURTLES, SNAPPER	2,600	286	-	-	2,600	286
TOTAL	3,842,300	265,622	5,433,000	193,370	9,275,300	458,992

WYOMING

OPERATING UNITS BY GEAR, 1960

ITEM	HAUL SEINES, COMMON	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:		
REGULAR	3	3
CASUAL	2	2
TOTAL	5	5
BOATS:		
MOTOR	2	2
OTHER	1	1
GEAR:		
NUMBER	1	-
LENGTH, YARDS	1,000	-

NOTE:--THE COMMERCIAL FISHERIES OF WYOMING, IN THE TRIBUTARIES OF THE MISSISSIPPI RIVER, ARE CONFINED TO THE INLAND LAKES AND STREAMS. THE CATCH CONSISTED OF 637,500 POUNDS OF CARP, VALUED AT $31,873.

GREAT LAKES AND MISSISSIPPI RIVER CATCH - BY STATES, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

STATE	GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALABAMA	-	-	16,154	1,348	16,154	1,348
ARKANSAS	-	-	6,036	733	6,036	733
ILLINOIS	324	54	7,808	712	8,132	766
INDIANA	16	1	1,008	51	1,024	52
IOWA	-	-	3,817	370	3,817	370
KANSAS	-	-	60	8	60	8
KENTUCKY	-	-	3,460	331	3,460	331
LOUISIANA	-	-	8,257	1,341	8,257	1,341
MICHIGAN	25,021	2,997	-	-	25,021	2,997
MINNESOTA	4,872	297	11,710	726	16,582	1,023
MISSISSIPPI	-	-	2,194	328	2,194	328
MISSOURI	-	-	344	35	344	35
MONTANA	-	-	21	2	21	2
NEBRASKA	-	-	541	39	541	39
NEW YORK	590	105	-	-	590	105
NORTH DAKOTA	-	-	827	35	827	35
OHIO	18,011	1,632	-	-	18,011	1,632
OKLAHOMA	-	-	334	42	334	42
PENNSYLVANIA	1,015	113	-	-	1,015	113
SOUTH DAKOTA	-	-	2,202	140	2,202	140
TENNESSEE	-	-	10,198	1,005	10,198	1,005
TEXAS	-	-	721	92	721	92
WISCONSIN	18,394	1,934	9,275	459	27,669	2,393
WYOMING	-	-	638	32	638	32
TOTAL	68,243	7,133	85,605	7,829	153,848	14,962

NOTE:--INCLUDES THE CATCH FROM THE INTERNATIONAL LAKES OF NORTHERN MINNESOTA, THE ALABAMA RIVER, AND THE RED LAKE.

GREAT LAKES AND MISSISSIPPI RIVER CATCH - BY SPECIES, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	2,381	44	-	-	2,381	44
BLUE PIKE	12	5	-	-	12	5
BOWFIN	4	(1)	107	5	111	5
BUFFALOFISH	42	5	16,013	1,868	16,055	1,873
BURBOT	395	14	39	1	434	15
CARP	7,343	254	22,315	700	29,658	954
CATFISH AND BULLHEADS	2,058	436	13,465	2,557	15,523	2,993
CHUBS	16,854	2,551	-	-	16,854	2,551
CISCO	21	6	-	-	21	6
CRAPPIE	5	1	54	10	59	11
EELS, COMMON	28	4	-	-	28	4
GARFISH	(1)	(1)	897	43	897	43
GIZZARD SHAD	1	(1)	-	-	1	(1)
GOLDFISH	198	3	-	-	198	3
HERRING, LAKE	11,083	638	-	-	11,083	638
LAKE TROUT	385	220	-	-	385	220
MOONEYE	2	(1)	62	15	64	15
PADDLEFISH	-	-	583	85	583	85
PIKE OR PICKEREL	209	32	21	3	230	35
QUILLBACK	(1)	(1)	266	16	266	16
ROCK BASS	14	2	-	-	14	2
SAUGER	48	7	-	-	48	7
SHEEPSHEAD	5,158	154	5,327	303	10,485	457
SMELT	4,320	161	-	-	4,320	161
STURGEON:						
COMMON	3	3	-	-	3	3
SHOVELNOSE	-	-	67	11	67	11
SUCKERS	1,645	76	595	12	2,240	88
SUNFISH	16	1	-	-	16	1
TULLIBEE	1,315	39	-	-	1,315	39
WHITE BASS	1,805	285	27	5	1,832	290
WHITEFISH:						
COMMON	830	475	140	47	970	522
MENOMINEE	29	7	-	-	29	7
WHITE PERCH	1	(1)	-	-	1	(1)
YELLOW BASS	-	-	3	1	3	1
YELLOW PERCH	10,238	1,099	271	55	10,509	1,154
YELLOW PIKE	1,798	611	656	232	2,454	843
CRAWFISH	2	(1)	609	73	611	73
MUSSEL SHELLS	-	-	23,655	1,297	23,655	1,297
PEARLS AND SLUGS	-	-	-	81	-	81
TURTLES:						
BABY	-	-	46	345	46	345
SLIDER	-	-	19	(1)	19	(1)
SNAPPER	-	-	261	28	261	28
SOFT-SHELL	-	-	4	(1)	4	(1)
FROGS	-	-	103	36	103	36
TOTAL	68,243	7,133	85,605	7,829	153,848	14,962

1/ LESS THAN 500 POUNDS OR $500.

NOTE:--INCLUDES THE CATCH FROM THE INTERNATIONAL LAKES OF NORTHERN MINNESOTA, THE ALABAMA RIVER, AND THE RED LAKE.

SECTION 10 - HAWAII FISHERIES

The 1960 landings of commercially caught fish and shellfish at ports in the State of Hawaii amounted to 11.1 million pounds valued at $2.7 million to the fishermen. This was a decrease of 5.5 million pounds in volume and $475,000 in value compared with the 1959 production. Reduced catches of skipjack tuna were responsible for the decline. The catch was taken by 598 fishermen. Fishing craft operated during the year included 63 vessels of 5 net tons and over, 193 motor boats, and 34 other boats. Except for minor improvements in vessels and gear, Hawaiian fishermen still fish as they did 40 years ago.

Fishery products were landed at six of the eight islands that form the newest State in the Union. The Island of Oahu ranked first in production accounting for nearly 9 million pounds or 77 percent of the total Hawaiian catch. The Island of Hawaii was in second place (1.4 million pounds) followed by Maui (872,000 pounds). Landings at Molokai, Kauai, and Lanai accounted for the remainder of the catch. Receipts of tuna (albacore, bigeye and bluefin, little, skipjack, and yellowfin) accounted for 81 percent of the volume and 64 percent of the value of all fishery products landed by Hawaiian fishermen.

Reports received from monitoring stations set up by the Honolulu Laboratory of the Bureau indicated that environmental conditions were not favorable for a good skipjack year. Cannery reports indicated that the landings in early and late summer of 1960 consisted mostly of small skipjack. Landings during the same period in 1959 were mostly large fish. This, coupled with a shortage of live bait during the height of the season, accounted largely for the poor skipjack season which resulted in a lower overall catch in Hawaii during 1960.

Hawaiian tuna fishermen have had a problem catching bait. They use an anchovy like fish called nehu and spend many hours hunting them. Experiments are now being conducted with tilapia which breeds prolifically, is hardier than the nehu, and just as good for bait. Although the tilapia is not presently available in commercial quantities, the State has allotted $130,000 for the construction of a tilapia hatchery and $50,000 for its operation. Other experiments are being conducted with the Marquesan sardine and the threadfin shad.

During 1960, the Honolulu Laboratory tested a gill net made of monofilament nylon in hopes that it could be developed for skipjack fishing. Behavior studies of skipjack were conducted to better understand this species so that new fishing techniques and gear can be developed to harvest them more efficiently.

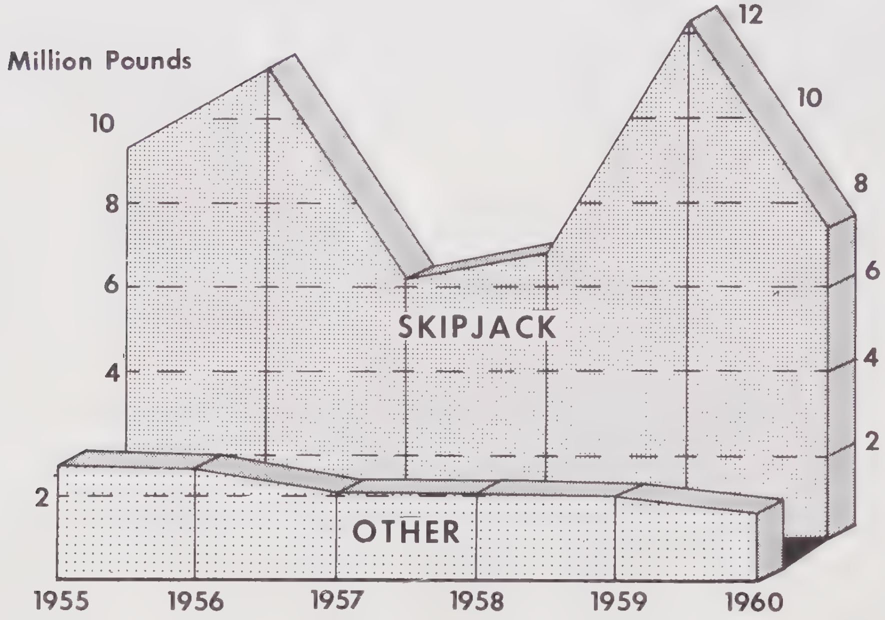
Data on the volume and value of the fisheries of Hawaii by months were published in Statistical Digests for the years 1946-1958. It was not until 1959, the year Hawaii became a State, that operating unit and catch data were assembled in approximately the same manner as those for other States so that the figures could be included in the national summary tables. Catch data for Hawaii are presented in two categories--the ocean catch and the pond (salt-water) catch. The common and scientific names of the species of fish and shellfish landed in Hawaii are not included in Section 14 of this report.

The data in this section were assembled and prepared for publication by the Bureau's area office, Honolulu, Hawaii, largely from information collected by the Hawaii Department of Land and Natural Resources, Division of Fish and Game.

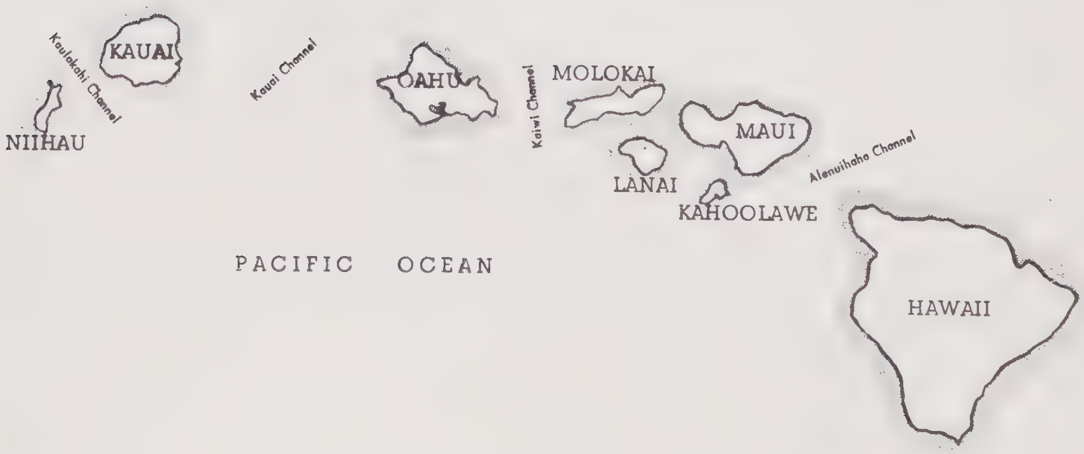
The following tables contain summarized and detailed information on the 1960 operating units and catch by islands of the State of Hawaii. Condensed summary data on the operating units and catch of the Hawaiian area, appearing on the following pages, have been previously published in Current Fishery Statistics No. 2724.

HAWAII FISHERIES

HAWAIIAN TUNA CATCH, 1955 - 1960



STATE OF HAWAII


KAUAI
Kaulakahi Channel
NIIHAU
Kauai Channel
OAHU
Kaiwi Channel
MOLOKAI
MAUI
LANAI
KAHOOLAWE
Alenuihaha Channel
HAWAII
PACIFIC OCEAN

HAWAII FISHERIES

SECTIONAL SUMMARIES

SUMMARY OF CATCH, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

ISLAND	FISH		SHELLFISH, ETC.		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
HAWAII	1,423	351	12	9	1,435	370
MOLOKAI	19	10	2	2	21	12
OAHU	8,571	2,095	21	13	8,592	2,108
KAUAI	173	76	9	5	182	81
MAUI	868	126	4	1	872	127
LANAI	16	6	(1)	(1)	16	6
TOTAL	11,070	2,674	48	30	11,118	2,704

1/ LESS THAN 500 POUNDS AND $500.

SUMMARY OF OPERATING UNITS, 1960

ITEM	TOTAL
	NUMBER
FISHERMEN:	
ON VESSELS	330
ON BOATS AND SHORE	268
TOTAL	598
VESSELS, MOTOR	63
GROSS TONNAGE	1,775
BOATS:	
MOTOR	193
OTHER	9
ACCESSORY BOATS	25

NOTE:--DATA ARE NOT AVAILABLE ON THE NUMBER AND SIZE OF GEAR USED IN THE HAWAIIAN FISHERIES. THE TYPES OF GEAR USED CAN BE ASCERTAINED FROM THE TABLE SHOWING THE CATCH BY GEAR. OPERATING UNIT DATA ARE INCOMPLETE. NO TRANSPORTERS OPERATED IN 1960. THERE WERE 22 WHOLESALING AND MANUFACTURING ESTABLISHMENTS. THEY EMPLOYED 498 PERSONS FOR THE SEASON. THE AVERAGE YEARLY EMPLOYMENT WAS 442 PERSONS.

HAWAII - CATCH BY SPECIES, 1960

SPECIES		TOTAL	
ENGLISH	HAWAIIAN	POUNDS	VALUE
OCEAN CATCH:			
FISH			
AMBERJACK	KAHALA	86,378	$25,300
BARRACUDA	KAKU	1,815	530
BARRACUDA, JAPANESE	KAWELEA	5,869	2,577
BIGEYE SCAD	AKULE	298,449	207,002
BONEFISH	OIO	27,935	8,229
CREVALLE:			
BLUE	OMILU	8,425	4,723
JACK	ULUA	93,183	39,915
DAMSELFISH	MAMAMO	4,392	2,018
DOLPHIN	MAHIMAHI	90,578	50,167
EELS:			
CONGER	PUHI	4,508	696
MORAY	PUHI	1,496	143
GOATFISHES:			
	KUMU	16,367	16,243
	MALU	3,542	2,018
	MOANO	21,001	11,894
	MOILUA	6,543	3,714
	WEKE	75,660	33,091
	WEKE-ULA	27,506	17,334
MACKEREL, JACK	OPELU	192,531	81,992
MARLIN:			
BLACK	A'U	317,398	90,456
SAILFISH	A'U LEPE	9,127	1,983
STRIPED	A'U	217,756	66,565
MILKFISH	AWA	9,161	2,839
MOUNTAIN BASS	AHOLEHOLE	4,408	2,586
MULLET	AMAAMA	23,151	16,429
PARROTFISH	UHU	9,148	3,660
RED BIGEYE	AWEOWEO	7,623	3,088
RUDDERFISH	NENUE	6,620	2,519
RUNNER	LAI	546	163
SARDINE	MIKIAWA	1,098	250

SEE NOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

HAWAII - CATCH BY SPECIES, 1960 - Continued

SPECIES		TOTAL	
ENGLISH	HAWAIIAN	POUNDS	VALUE
OCEAN CATCH: - CONTINUED			
FISH - CONTINUED			
SEA BASS, BLACK.	HAPUUPUU.	22,367	$11,218
SNAPPER:			
GRAY	UKU	46,050	20,928
PINK	KALEKALE.	16,347	9,207
PINK	OPAKAPAKA	88,522	46,150
RED...	ULAULA OR EHU	17,977	14,711
RED.	ULAULA KOAE	40,852	35,919
SPOT	AAWA.	1,857	322
SQUIRRELFISH	UU.	17,704	12,500
SURGEONFISH:			
	KALA.	20,981	2,899
	MAIKO	980	178
	PALANI.	5,704	946
	PUALU	33,861	6,403
SWORDFISH.	A'U	29,314	6,155
TANG:			
CONVICT.	MANINI.	9,559	4,771
ORANGE SPOT.	NAENAE.	470	59
TENPOUNDER	AWAAWA.	162	38
THREADFIN, PACIFIC . . .	MOI	8,934	7,057
TRIGGERFISH.	HUMUHUMU.	604	146
TUNA:			
ALBACORE	AHIPALAHA	8,918	2,598
BIGEYE AND BLUEFIN . .	. . . .	1,295,650	581,541
LITTLE	KAWAKAWA.	4,195	910
SKIPJACK	AKU	7,355,686	1,000,655
YELLOWFIN.	AHI	355,608	152,495
TOTAL TUNA		9,020,057	1,738,199
WAHOO.	ONO	23,880	5,725
UNCLASSIFIED	. . . .	41,268	14,524
TOTAL FISH		11,019,664	2,636,179
SHELLFISH, ETC.			
CRABS:			
	KONA.	11,063	6,381
	PAPAI	2,574	782
LIMPET	OPIHI	3,265	6,203
LOBSTERS, SPINY. . . .	ULA	10,473	7,049
OCTOPUS.	HEE	4,584	2,673
SQUID.	MUHEE	5,149	2,251
TURTLES.	HONU.	3,739	527
UNCLASSIFIED	. . . .	153	190
TOTAL SHELLFISH, ETC.		41,000	26,056
TOTAL OCEAN CATCH.		11,060,664	2,662,235
POND CATCH: 1/			
FISH			
BARRACUDA.	KAKU.	433	295
BONEFISH	OIO	461	145
CREVALLE, JACK	ULUA.	1,349	880
MILKFISH	AWA	7,706	4,153
MOUNTAIN BASS.	AHOLEHOLE	5,190	2,538
MULLET	AMAAMA.	33,967	29,906
TENPOUNDER	AWAAWA.	968	227
THREADFIN, PACIFIC . . .	MOI	121	108
TILAPIA.	. . . .	115	29
UNCLASSIFIED	. . . .	519	158
TOTAL FISH		50,829	38,439
SHELLFISH			
CLAMS, HARD.	OLEPE	156	172
CRABS:			
	PAPAI	2,204	865
	KUAHONU	2,134	1,400
	SAMOAN.	1,596	1,137
SHRIMP	OPAE.	7	23
TOTAL SHELLFISH.		6,097	3,597
TOTAL POND CATCH		56,926	42,036
GRAND TOTAL.		11,117,590	2,704,271

1/ SALT WATER.

NOTE:--THE WEIGHT OF MEATS FOR MOLLUSKS IS BASED ON A YIELD OF 25 PERCENT FOR HARD CLAMS AND 20 PERCENT FOR LIMPETS.

HAWAII - OPERATING UNITS BY ISLAND AND GEAR, 1960

ITEM	HAWAII				
	BAG NETS	POTS AND TRAPS	GILL NETS	LINES	
				HAND	POLE AND LINE
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	-	-	-	20
ON BOATS AND SHORE	6	2	3	33	1
TOTAL.	6	2	3	33	21
VESSELS, MOTOR	-	-	-	-	2
GROSS TONNAGE.	-	-	-	-	90
BOATS, MOTOR	3	2	3	27	1
ACCESSORY BOATS.	-	-	-	-	2

ITEM	HAWAII - CONTINUED				
	LINES - CONTINUED		LIFT NETS	BY HAND	POND 1/
	TROLL	LONG OR SET WITH HOOKS			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	7	10	-	-	-
ON BOATS AND SHORE	9	11	6	1	1
TOTAL.	16	21	6	1	1
VESSELS, MOTOR	4	3	-	-	-
GROSS TONNAGE.	66	42	-	-	-
BOATS, MOTOR	9	2	6	1	1

ITEM	HAWAII - CONTINUED		MOLOKAI		
	UNCLASSIFIED GEAR	TOTAL, EXCLUSIVE OF DUPLICATION	GILL NETS	POND 1/	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	37	-	-	-
ON BOATS AND SHORE	12	78	9	4	13
TOTAL.	12	115	9	4	13
VESSELS, MOTOR	-	9	-	-	-
GROSS TONNAGE.	-	198	-	-	-
BOATS, MOTOR	12	54	8	2	10
ACCESSORY BOATS.	-	2	-	-	-

ITEM	OAHU				
	BAG NETS	POTS AND TRAPS	GILL NETS	LINES	
				HAND	POLE AND LINE
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	14	-	5	9	124
ON BOATS AND SHORE	-	16	21	63	2
TOTAL.	14	16	26	72	126
VESSELS, MOTOR	2	-	1	3	15
GROSS TONNAGE.	52	-	17	83	644
BOATS:					
MOTOR.	-	13	16	53	1
OTHER.	-	-	3	1	-
ACCESSORY BOATS.	2	-	-	-	14

ITEM	OAHU - CONTINUED					
	LINES - CONTINUED		LIFT NETS	POND 1/	UNCLASSIFIED GEAR	TOTAL, EXCLUSIVE OF DUPLICATION
	TROLL	LONG OR SET WITH HOOKS				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	74	-	-	-	226
ON BOATS AND SHORE	2	4	2	11	4	111
TOTAL.	2	78	2	11	4	337
VESSELS, MOTOR	-	24	-	-	-	45
GROSS TONNAGE.	-	532	-	-	-	1,328
BOATS:						
MOTOR.	1	3	1	6	4	87
OTHER.	-	-	-	-	-	4
ACCESSORY BOATS.	-	-	-	-	-	16

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

HAWAII - OPERATING UNITS BY ISLAND AND GEAR, 1960 - Continued

TEM	KAUAI				
			LINES		
	BAG NETS	GILL NETS	HAND	POLE AND LINE	TROLL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	-	3	-	-
ON BOATS AND SHORE	4	7	15	1	4
TOTAL	4	7	18	1	4
VESSELS, MOTOR	-	-	2	-	-
GROSS TONNAGE	-	-	21	-	-
BOATS, MOTOR	4	7	13	1	4

ITEM	KAUAI - CONTINUED			MAUI	
	LINES-CONT'D.				
	LONG OR SET WITH HOOKS	UNCLASSIFIED GEAR	TOTAL, EXCLUSIVE OF DUPLICATION	BAG NETS	POTS AND TRAPS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	3	-	6	9	-
ON BOATS AND SHORE	7	3	39	3	1
TOTAL	10	3	45	12	1
VESSELS, MOTOR	1	-	3	1	-
GROSS TONNAGE	18	-	39	17	-
BOATS, MOTOR	7	3	20	3	1
ACCESSORY BOATS	-	-	-	1	-

ITEM	MAUI - CONTINUED					
		LINES				
	GILL NETS	HAND	POLE AND LINE	LONG OR SET WITH HOOKS	UNCLASSIFIED GEAR	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	-	52	-	-	61
ON BOATS AND SHORE	4	12	-	1	3	21
TOTAL	4	12	52	1	3	82
VESSELS, MOTOR	-	-	5	-	-	6
GROSS TONNAGE	-	-	193	-	-	210
BOATS:						
MOTOR	4	9	-	1	2	17
OTHER	-	-	-	-	5	5
ACCESSORY BOATS	-	-	6	-	-	7

ITEM	LANAI			
	LINES			
	HAND	TROLL	LONG OR SET WITH HOOKS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE, TOTAL	6	6	1	6
BOATS, MOTOR	5	5	1	5

1/ SEINES, MISCELLANEOUS NETS, AND BY HAND.

NOTE:--NUMBER AND QUANTITY OF GEAR NOT AVAILABLE. DATA ON OPERATING UNITS ARE INCOMPLETE.

HAWAII - CATCH BY ISLANDS, 1960

SPECIES		HAWAII		MOLOKAI		OAHU	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
OCEAN CATCH:							
FISH							
AMBERJACK	KAHALA	24,914	$5,639	-	-	50,835	$16,213
BARRACUDA	KAKU	615	125	188	$78	677	219
BARRACUDA, JAPANESE	KAWELEA	4,422	1,990	1	(1)	917	416
BIGEYE SCAD	AKULE	42,539	28,599	398	321	183,486	135,054
BONEFISH	OIO	7,494	2,166	847	258	12,291	3,966
CREVALLE:							
BLUE	OMILU	55	31	8	4	7,964	4,435
JACK	ULUA	11,906	4,009	266	171	72,117	31,210
DAMSELFISH	MAMAMO	-	-	-	-	4,392	2,018
DOLPHIN	MAHIMAHI	18,692	7,150	-	-	69,714	42,193
EELS:							
CONGER	PUHI	108	43	-	-	4,400	653
MORAY	PUHI	-	-	-	-	1,481	143
GOATFISHES:							
	KUMU	454	435	226	165	14,244	14,795
	MALU	-	-	-	-	3,540	2,017
	MOANO	3,390	2,064	-	-	17,294	9,659
	WEKE	2,960	2,023	3,907	1,137	57,916	24,578
	WEKE-ULA	616	440	-	-	24,140	15,357
MACKEREL, JACK	OPELU	66,112	22,911	-	-	68,930	40,571
MARLIN:							
BLACK	A'U	77,847	16,282	-	-	235,027	73,259
SAILFISH	A'U LEPE	1,018	235	-	-	7,918	1,711
STRIPED	A'U	21,118	5,254	-	-	194,816	60,944
MILKFISH	AWA	123	31	85	30	6,608	2,307
MOUNTAIN BASS	AHOLEHOLE	273	204	486	146	740	507
MULLET	AMAAMA	534	484	9,312	6,244	4,810	3,900
PARROTFISH	UHU	1,102	283	38	15	7,931	3,362
RED BIGEYE	AWEOWEO	3,322	1,126	204	59	2,477	1,221
RUDDERFISH	NENUE	548	218	30	18	5,560	2,132
RUNNER	LAI	58	14	45	14	41	16
SARDINE	MIKIAWA	-	-	-	-	958	212
SEA BASS, BLACK	HAPUUPUU	1,401	658	-	-	20,438	10,352
SNAPPER:							
GRAY	UKU	2,708	1,062	-	-	36,099	16,402
PINK	KALEKALE	2,432	1,235	21	12	13,824	7,923
PINK	OPAKAPAKA	7,202	3,496	56	21	68,870	36,931
RED	ULAULA OR EHU	3,335	2,450	-	-	13,631	11,716
RED	ULAULA KOAE	1,362	1,021	-	-	38,555	34,379
SPOT	AAWA	1,550	265	-	-	299	55
SQUIRRELFISH	UU	8,692	4,902	79	58	5,636	5,201
SURGEONFISH:							
	KALA	141	31	30	3	20,276	2,804
	MAIKO	352	111	-	-	628	67
	PALANI	257	41	-	-	5,031	813
	PUALU	479	110	-	-	33,376	6,292
SWORDFISH	A'U	883	144	-	-	26,847	5,699
TANG:							
CONVICT	MANINI	1,998	1,127	102	44	6,459	2,945
ORANGE SPOT	NAENAE	-	-	-	-	470	59
TENPOUNDER	AWAAWA	70	10	-	-	62	20
THREADFIN, PACIFIC	MOI	208	214	288	182	4,226	3,543
TRIGGERFISH	HUMUHUMU	470	82	-	-	134	64
TUNA:							
ALBACORE	AHIPALAHA	2,594	804	-	-	6,101	1,740
BIGEYE AND BLUEFIN		262,207	107,261	-	-	1,030,738	473,139
LITTLE	KAWAKAWA	459	83	-	-	1,847	384
SKIPJACK	AKU	676,055	79,671	-	-	5,877,116	830,805
YELLOWFIN	AHI	130,427	46,576	-	-	220,238	104,403
TOTAL TUNA		1,071,742	234,395	-	-	7,136,040	1,410,471
WAHOO	ONO	14,160	3,498	-	-	6,069	1,225
UNCLASSIFIED		13,515	4,506	98	154	24,670	8,707
TOTAL FISH		1,423,177	361,114	16,715	9,134	8,522,864	2,058,736
SHELLFISH, ETC.							
CRABS:							
	KONA	1,729	1,086	-	-	2,187	1,630
	PAPAI	2,549	765	-	-	20	14
LIMPET	OPIHI	2,890	5,391	364	797	-	-
LOBSTERS, SPINY	ULA	133	95	-	-	10,267	6,923
OCTOPUS	HEE	44	27	1,069	532	1,889	947
SQUID	MUHEE	4,421	1,840	-	-	286	146

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

HAWAII - CATCH BY ISLANDS, 1960 - Continued

SPECIES		HAWAII		MOLOKAI		OAHU	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
OCEAN CATCH: - CONTINUED							
SHELLFISH, ETC. - CONT'D.							
UNCLASSIFIED		-	-	60	$135	93	$55
TOTAL SHELLFISH, ETC.		11,766	$9,204	1,493	1,464	14,742	9,715
TOTAL OCEAN CATCH		1,434,943	370,318	18,208	10,598	8,537,606	2,068,451
POND CATCH: 2/							
FISH							
BARRACUDA	KAKU	-	-	65	13	368	282
BONEFISH	OIO	-	-	53	15	408	130
CREVALLE, JACK	ULUA	-	-	64	31	1,285	849
MILKFISH	AWA	-	-	10	2	7,696	4,151
MOUNTAIN BASS	AHOLEHOLE	-	-	70	14	5,120	2,524
MULLET	AMAAMA	-	-	1,969	1,616	31,998	28,290
TENPOUNDER	AWAAWA	-	-	6	-	962	227
THREADFIN, PACIFIC	MOI	-	-	8	-	113	108
TILAPIA		-	-	-	-	115	29
UNCLASSIFIED		-	-	50	7	469	151
TOTAL FISH		-	-	2,295	1,698	48,534	36,741
SHELLFISH							
CLAMS, HARD	OLEPE	-	-	156	172	-	-
CRABS:							
	PAPAI	-	-	-	-	2,204	865
	KUAHONU	-	-	4	3	2,130	1,397
	SAMOAN	-	-	-	-	1,596	1,137
SHRIMP	OPAE	-	-	-	-	7	23
TOTAL SHELLFISH		-	-	160	175	5,937	3,422
TQTAL POND CATCH		-	-	2,455	1,873	54,471	40,163
GRAND TOTAL		1,434,943	370,318	20,663	12,471	8,592,077	2,108,614

SPECIES		KAUAI		MAUI		LANAI	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
OCEAN CATCH:							
FISH							
AMBERJACK	KAHALA	7,803	$2,734	2,206	$433	620	$281
BARRACUDA	KAKU	132	42	112	31	91	35
BARRACUDA, JAPANESE	KAWELEA	216	83	298	82	15	6
BIGEYE SCAD	AKULE	51,290	30,511	19,511	11,768	1,225	749
BONEFISH	OIO	5,451	1,370	1,801	453	51	16
CREVALLE:							
BLUE	OMILU	385	243	13	10	-	-
JACK	ULUA	5,189	2,652	3,418	1,700	287	173
DOLPHIN	MAHIMAHI	1,411	587	510	143	251	94
EELS, MORAY	PUHI	-	-	15	-	-	-
GOATFISHES:							
	KUMU	23	24	1,414	821	6	3
	MALU	2	1	-	-	-	-
	MOANO	45	31	219	120	53	20
	MOILUA	-	-	6,425	3,636	118	78
	WEKE	6,902	3,911	3,975	1,442	-	-
	WEKE-ULA	2,748	1,536	-	-	2	1
MACKEREL, JACK	OPELU	41,347	12,543	15,449	5,664	693	303
MARLIN:							
BLACK	A'U	4,524	915	-	-	-	-
SAILFISH	A'U LEPE	191	37	-	-	-	-
STRIPED	A'U	1,822	367	-	-	-	-
MILKFISH	AWA	-	-	2,345	471	-	-
MOUNTAIN BASS	AHOLEHOLE	491	240	2,418	1,489	-	-
MULLET	AMAAMA	6,052	4,082	2,443	1,719	-	-
PARROTFISH	UHU	-	-	77	-	-	-
RED BIGEYE	AWEOWEO	840	376	776	304	4	2
RUDDERFISH	NENUE	256	105	189	35	37	11
RUNNER	LAI	-	-	372	110	30	9
SARDINE	MIKIAWA	-	-	140	38	-	-
SEA BASS, BLACK	HAPUUPUU	219	85	282	105	27	18

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

HAWAII - CATCH BY ISLANDS, 1960 - Continued

SPECIES		KAUAI		MAUI		LANAI	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
OCEAN CATCH: - CONTINUED							
FISH - CONTINUED							
SNAPPER:							
GRAY	UKU	3,165	$1,404	3,893	$1,941	185	$119
PINK	KALEKALE	61	33	-	-	9	4
PINK	OPAKAPAKA	168	74	12,066	5,552	160	76
RED	ULAULA OR EHU	146	90	865	455	-	-
RED	ULAULA KOAE	-	-	935	519	-	-
SPOT	AAWA	-	-	6	1	2	1
SQUIRRELFISH	UU	2,144	1,638	672	423	481	278
SURGEONFISH:							
	KALA	-	-	526	59	8	2
	PALANI	20	4	382	83	14	5
	PUALU	-	-	6	1	-	-
SWORDFISH	A'U	1,584	312	-	-	-	-
TANG, CONVICT	MANINI	889	597	111	58	-	-
TENPOUNDER	AWAAWA	30	8	-	-	-	-
THREADFIN, PACIFIC	MOI	2,878	2,230	1,334	888	-	-
TUNA:							
ALBACORE	AHIPALAHA	223	54	-	-	-	-
BIGEYE AND BLUEFIN	....	2,705	1,141	-	-	-	-
LITTLE	KAWAKAWA	1,450	401	303	2	136	40
SKIPJACK	AKU	10,520	2,401	780,786	84,647	11,209	3,131
YELLOWFIN	AHI	4,811	1,493	124	21	8	2
TOTAL TUNA		19,709	5,490	781,213	84,670	11,353	3,173
WAHOO	ONO	3,422	912	67	17	162	73
UNCLASSIFIED		1,161	509	1,701	589	123	59
TOTAL FISH		172,716	75,776	868,185	125,830	16,007	5,589
SHELLFISH, ETC.							
CRABS:							
	KONA	7,025	3,603	97	49	25	13
	PAPAI	5	3	-	-	-	-
LIMPET	OPIHI	10	15	1	-	-	-
LOBSTERS, SPINY	ULA	-	-	73	31	-	-
OCTOPUS	HEE	1,522	1,139	60	28	-	-
SQUID	MUHEE	442	265	-	-	-	-
TURTLES	HONU	-	-	3,739	527	-	-
TOTAL SHELLFISH, ETC.		9,004	5,025	3,970	635	25	13
TOTAL OCEAN CATCH		181,720	80,801	872,155	126,465	16,032	5,602
GRAND TOTAL		181,720	80,801	872,155	126,465	16,032	5,602

1/ LESS THAN 50 CENTS.

2/ SALT WATER.

NOTE:--THE WEIGHT OF MEATS FOR MOLLUSKS IS BASED ON A YIELD OF 25 PERCENT FOR HARD CLAMS AND 20 PERCENT FOR LIMPETS.

HAWAII - CATCH BY GEAR, 1960

SPECIES		HAUL SEINES		BAG NETS	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE
BARRACUDA, JAPANESE	KAWELEA	377	$178	-	-
BIGEYE SCAD	AKULE	1,485	814	194,071	$121,002
BONEFISH	OIO	2,336	898	6,558	1,342
CREVALLE:					
BLUE	OMILU	42	23	-	-
JACK	ULUA	5,611	3,592	102	71
DAMSELFISH	MAMAMO	3,618	1,716	-	-
GOATFISHES:					
	KUMU	334	384	15	15
	MOANO	32	18	-	-
	WEKE	19,841	9,189	1,883	[illegible]
MACKEREL, JACK	OPELU	221	103	2,482	[illegible]

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

HAWAII - CATCH BY GEAR, 1960 - Continued

SPECIES		HAUL SEINES		BAG NETS	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE
MILKFISH	AWA	240	$69	-	-
MOUNTAIN BASS	AHOLEHOLE	70	46	-	-
MULLET	AMAAMA	203	165	-	-
PARROTFISH	UHU	6,670	2,737	23	$7
RED BIGEYE	AWEOWEO	555	320	-	-
RUDDERFISH	NENUE	2,825	946	-	-
RUNNER	LAI	53	14	-	-
SNAPPER:					
GREY	UKU	26	12	-	-
PINK	KALEKALE	83	14	-	-
SQUIRRELFISH	UU	20	18	-	-
SURGEONFISH:					
	KALA	10,351	1,650	-	-
	MAIKO	781	107	-	-
	PALANI	71	7	-	-
	PUALU	24,724	4,659	25	6
TANG, CONVICT	MANINI	3,574	1,858	-	-
TENPOUNDER	AWAAWA	-	-	70	11
THREADFIN, PACIFIC	MOI	351	363	3,742	3,097
UNCLASSIFIED FISH	. . . .	1,375	576	749	541
CRABS	PAPAI	2	1	-	-
TOTAL		85,871	30,477	209,720	126,938

SPECIES		POTS AND TRAPS		GILL NETS, ANCHOR		LINES	
						HAND	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
AMBERJACK	KAHALA	4,145	$1,498	-	-	12,807	$3,504
BARRACUDA	KAKU	15	10	197	$88	242	68
BARRACUDA, JAPANESE	KAWELEA	5	3	59	23	4,965	2,206
BIGEYE SCAD	AKULE	-	-	619	336	101,584	84,367
BONEFISH	OIO	95	37	3,775	1,062	9,185	2,821
CREVALLE:							
BLUE	OMILU	1,714	931	222	175	1,780	1,190
JACK	ULUA	12,003	7,054	1,332	987	9,192	4,072
DAMSELFISH	MAMAMO	595	226	24	7	-	-
DOLPHIN	MAHIMAHI	-	-	-	-	8,883	2,950
EELS:							
CONGER	PUHI	4,364	647	-	-	79	33
MORAY	PUHI	1,496	143	-	-	-	-
GOATFISHES:							
	KUMU	13,530	13,897	1,549	966	799	866
	MALU	3,305	1,919	-	-	237	99
	MOANO	16,253	8,895	-	-	3,968	2,654
	MOILUA	-	-	-	-	1,578	923
	WEKE	31,141	12,963	10,284	3,807	9,186	5,599
	WEKE-ULA	9,937	4,962	-	-	6,072	4,192
MACKEREL, JACK	OPELU	-	-	-	-	89,000	45,739
MILKFISH	AWA	10	4	2,350	500	5,984	2,058
MOUNTAIN BASS	AHOLEHOLE	-	-	3,164	1,723	293	271
MULLET	AMAAMA	-	-	22,367	15,871	-	-
PARROTFISH	UHU	1,368	588	65	24	627	183
RED BIGEYE	AWEOWEO	692	301	1,210	491	4,814	1,853
RUDDERFISH	NENUE	98	30	478	219	1,046	494
RUNNER	LAI	-	-	347	106	146	44
SARDINE	MIKIAWA	185	32	21	4	636	153
SEA BASS	HAPUUPUU	-	-	-	-	513	241
SNAPPER:							
GREY	UKU	2,126	946	-	-	5,188	2,303
PINK	KALEKALE	30	8	-	-	584	327
PINK	OPAKAPAKA	833	350	56	21	1,758	1,003
RED	ULAULA OR EHU	-	-	-	-	1,444	1,098
RED	ULAULA KOAE	-	-	-	-	550	439
SPOT	AAWA	149	25	-	-	1,678	293
SQUIRRELFISH	UU	2,176	1,906	350	254	14,321	9,945
SURGEONFISH:							
	KALA	1,445	117	758	98	48	7
	MAIKO	-	-	34	5	-	-
	PALANI	5,065	820	41	12	128	23
	PUALU	6,389	1,247	511	130	388	62
TANG:							
CONVICT	MANINI	-	-	3,461	1,436	-	-
ORANGE SPOT	NAENAE	470	59	-	-	-	-
TENPOUNDER	AWAAWA	15	3	2	2	30	8
THREADFIN, PACIFIC	MOI	1	1	4,037	3,011	187	193
TRIGGERFISH	HUMUHUMU	128	60	-	-	474	86
TUNA:							
ALBACORE	AHIPAHALA	-	-	-	-	123	46
BIGEYE AND BLUEFIN	. . . .	20	14	-	-	6,452	3,027

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

HAWAII - CATCH BY GEAR, 1960 - Continued

SPECIES		POTS AND TRAPS		GILL NETS, ANCHOR		LINES	
						HAND	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
TUNA: - CONTINUED							
LITTLE	KAWAKAWA	-	-	-	-	1,960	$341
SKIPJACK	AKU	-	-	-	-	7,342,529	997,320
YELLOWFIN	AHI	-	-	-	-	10,510	2,950
WAHOO	ONO	-	-	-	-	39	16
UNCLASSIFIED FISH	. . . .	9,106	$2,287	1,479	$1,210	5,160	2,330
CRABS	PAPAI	2,569	779	3	2	-	-
LOBSTERS:							
SLIPPER	ULAPAPAPA	93	55	-	-	-	-
SPINY	ULA	5,388	3,681	4,965	3,289	-	-
OCTOPUS	HEE	1,826	910	40	16	277	168
SQUID	MUHEE	286	146	-	-	3,458	1,606
TOTAL		139,066	67,554	63,800	35,875	7,670,907	1,190,171

SPECIES		LINES - CONTINUED				LIFT NETS	
		TROLL		LONG OR SET WITH HOOKS			
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
AMBERJACK	KAHALA	-	-	69,426	$20,299	-	-
BARRACUDA	KAKU	7	$2	1,347	359	5	$3
BARRACUDA, JAPANESE	KAWELEA	-	-	463	168	-	-
BIGEYE SCAD	AKULE	-	-	293	190	-	-
BONEFISH	OIO	-	-	2,100	983	-	-
CREVALLE:							
BLUE	OMILU	-	-	4,645	2,391	18	11
JACK	ULUA	42	13	63,606	23,179	13	9
DOLPHIN	MAHIMAHI	4,229	1,486	77,466	45,730	-	-
EELS, CONGER	PUHI	-	-	55	13	-	-
GOATFISHES:							
	KUMU	-	-	54	60	-	-
	MOANO	-	-	32	20	15	6
	MOILUA	-	-	4,819	2,716	121	62
	WEKE	-	-	97	74	193	83
	WEKE-ULA	-	-	11,497	8,179	-	-
MACKEREL, JACK	OPELU	-	-	1,905	1,256	98,923	34,535
MARLIN:							
BLACK	A'U	36,895	6,193	280,503	84,263	-	-
SAILFISH	A'U LEPE	-	-	9,127	1,983	-	-
SILVER	A'U	1,205	280	8,264	2,300	-	-
STRIPED	A'U	2,166	53	215,590	66,511	-	-
PARROTFISH	UHU	-	-	20	6	-	-
RED BIGEYE	AWEOWEO	-	-	120	42	-	-
RUDDERFISH	NENUE	-	-	16	6	-	-
SARDINE	MIKIAWA	-	-	256	61	-	-
SEA BASS, BLACK	HAPUUPUU	-	-	21,854	10,977	-	-
SNAPPER:							
GREY	UKU	-	-	38,642	17,635	68	32
PINK	KALEKALE	-	-	15,650	8,859	-	-
PINK	OPAKAPAKA	6	3	85,869	44,773	-	-
RED	ULAULA OR EHU	12	7	16,521	13,605	-	-
RED	ULAULA OR KOAE	-	-	40,302	35,480	-	-
SPOT	AAWA	-	-	30	4	-	-
SQUIRRELFISH	UU	10	7	209	170	-	-
SURGEONFISH:							
	KALA	-	-	78	8	35	5
	PALANI	-	-	288	58	-	-
	PUALU	-	-	1,283	228	-	-
SWORDFISH	A'U	-	-	29,314	6,155	-	-
TRIGGERFISH	HUMUHUMU	-	-	2	(1)	-	-
TUNA:							
ALBACORE	AHIPAHALA	-	-	8,795	2,551	-	-
BIGEYE AND BLUEFIN	. . . .	8,157	3,005	1,281,021	575,496	-	-
LITTLE	KAWAKAWA	282	68	1,953	501	-	-
SKIPJACK	AKU	11,582	2,910	1,575	424	-	-
YELLOWFIN	AHI	10,971	2,833	334,127	146,712	-	-
WAHOO	ONO	4,735	953	19,106	4,757	-	-
UNCLASSIFIED FISH	. . . .	1,253	30	9,616	3,504	31	12
CRABS	KONA	-	-	-	-	11,063	6,381
OCTOPUS	HEE	-	-	13	6	-	-
SQUID	MUHEE	-	-	160	49	-	-
TOTAL		81,552	17,843	2,658,109	1,132,741	110,485	41,139

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

HAWAII - CATCH BY GEAR, 1960 - Continued

SPECIES		CAST NETS		SPEARS		BY HAND	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
GOATFISH	WEKE	199	$109	-	-	-	-
MOUNTAIN BASS	AHOLEHOLE	19	11	66	$40	-	-
MULLET	AMAAMA	61	40	-	-	-	-
TANG, CONVICT	MANINI	1,052	664	-	-	-	-
THREADFIN, PACIFIC	MOI	118	63	29	23	-	-
UNCLASSIFIED FISH		154	77	-	-	-	-
LIMPET	OPIHI	-	-	61	122	3,204	$6,081
OCTOPUS	HEE	-	-	2,178	1,450	-	-
TOTAL		1,603	964	2,334	1,635	3,204	6,081

SPECIES		NETS, UNCLASSIFIED		OTHER GEAR		VARIOUS GEAR, FISH POND	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BARRACUDA	KAKU	2	$1	-	-	433	$295
BIGEYE SCAD	AKULE	397	292	-	-	-	-
BONEFISH	OIO	3,886	1,084	-	-	461	145
CREVALLE:							
BLUE	OMILU	4	2	-	-	-	-
JACK	ULUA	1,083	939	199	-	1,349	880
DAMSELFISH	MAMAMO	155	68	-	-	-	-
EELS, CONGER	PUHI	10	3	-	-	-	-
GOATFISHES:							
	KUMU	53	53	33	-	-	-
	MOANO	701	301	-	-	-	-
	MOILUA	25	14	-	-	-	-
	WEKE	2,836	781	-	-	-	-
MILKFISH	AWA	577	207	-	-	7,706	4,153
MOUNTAIN BASS	AHOLEHOLE	791	495	-	-	5,190	2,538
MULLET	AMAAMA	520	353	-	-	33,967	29,906
PARROTFISH	UHU	298	115	77	-	-	-
RED BIGEYE	AWEOWEO	229	81	3	-	-	-
RUDDERFISH	NENUE	2,068	822	89	-	-	-
SQUIRRELFISH	UU	600	200	18	-	-	-
SURGEONFISH:							
	KALA	8,266	1,014	-	-	-	-
	MAIKO	165	66	-	-	-	-
	PALANI	111	26	-	-	-	-
	PUALU	541	71	-	-	-	-
TANG, CONVICT	MANINI	1,471	813	1	-	-	-
TENPOUNDER	AWAAWA	45	15	-	-	968	227
THREADFIN, PACIFIC	MOI	469	306	-	-	121	108
TILAPIA		-	-	-	-	115	29
UNCLASSIFIED FISH		2,844	1,376	32	$5	519	158
CLAMS, HARD	OLEPE	-	-	-	-	156	172
CRABS:							
	PAPAI	-	-	-	-	2,204	865
	KUAHONU	-	-	-	-	2,134	1,400
	SAMOAN	-	-	-	-	1,596	1,137
LOBSTERS, SPINY	ULA	105	79	15	-	-	-
OCTOPUS	HEE	250	123	-	-	-	-
SHRIMP	OPAE	60	135	-	-	7	23
SQUID	MUHEE	-	-	1,245	450	-	-
TURTLES	HONU	-	-	3,739	527	-	-
TOTAL		28,562	9,835	5,451	982	56,926	42,036

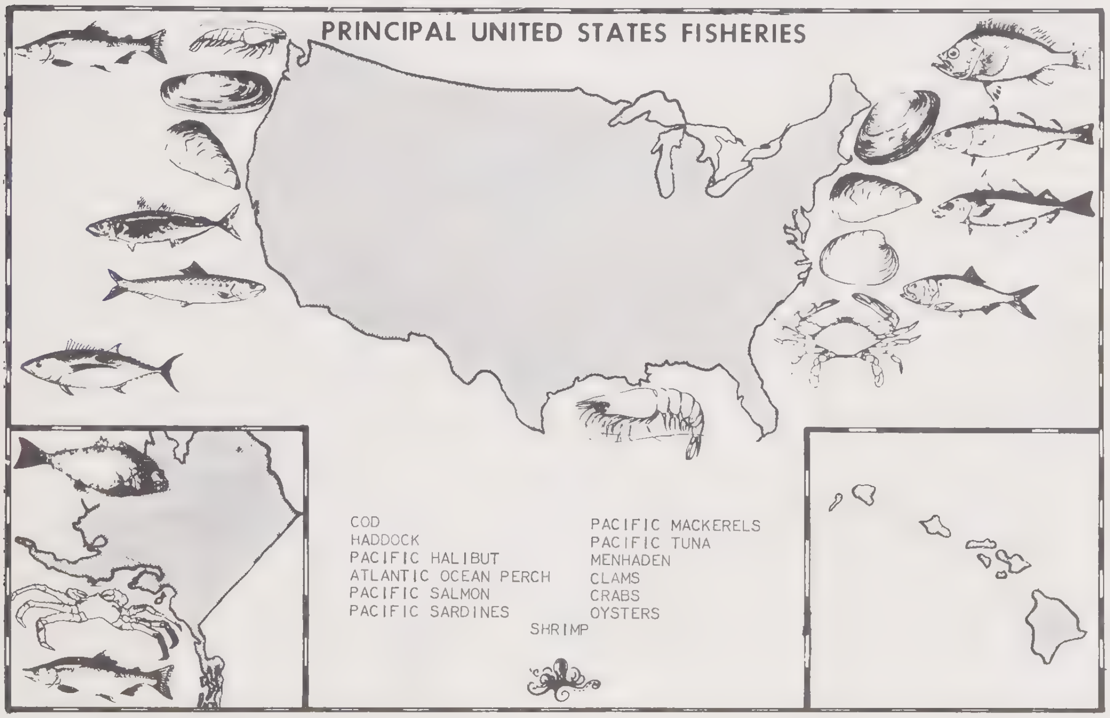
1/ LESS THAN 50 CENTS.

NOTE:--THE WEIGHT OF MEATS FOR MOLLUSKS IS BASED ON A YIELD OF 25 PERCENT FOR HARD CLAMS AND 20 PERCENT FOR LIMPETS.

SECTION 11

REVIEW OF CERTAIN MAJOR FISHERIES

There are presented in this Section of the Digest complete data on the catch of certain major species of fish and shellfish taken on a commercial scale in the United States. Additional information is presented on the operating units engaged in the menhaden purse seine, salmon troll, the shrimp and fish otter trawl, and the tuna fisheries. Although the data on catch are included in the detailed catch tables of the various States, they have been repeated in individual fishery tables in this portion of the report to provide readers with a single source of catch data for cod, haddock, halibut, Pacific mackerel, jack mackerel, menhaden, Atlantic ocean perch, Pacific sardines, salmon, tuna, oysters, clams, crabs, and shrimp. Most of the above species are taken by several types of fishing gear. Because of this, the casual reader of the Digest often experiences difficulty in locating complete data on the catch of the species in individual State catch tables. The information contained in this Section includes the volume and value of the catch by individual types of gear and by States and districts.


PRINCIPAL UNITED STATES FISHERIES

UNITED STATES COD FISHERY

United States fishermen landed 45.8 million pounds of cod valued at nearly $3 million in 1960. This was a decrease of 14 million pounds or 24 percent in volume and $1 million or 26 percent in value compared with the 1959 catch.

Otter trawls accounted for 78 percent of the catch; lines of all types, 17 percent; and gill nets, 4 percent. The remaining catch was taken in pound nets, floating traps, and dredges.

Landings at Massachusetts ports amounted to 31 million pounds and accounted for 68 percent of the total catch. Washington was second with 5 million pounds, followed by New Jersey (4 million pounds), and Maine (3 million pounds). The remaining catch was landed in 7 other Atlantic and Pacific Coast States.

SUMMARY OF COD CATCH, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	OTTER TRAWLS		POUND NETS		FLOATING TRAPS	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MAINE	1,362	67	-	-	-	-
MASSACHUSETTS	27,112	1,743	2	(1)	4	(1)
RHODE ISLAND	455	29	-	-	146	15
CONNECTICUT	225	14	-	-	-	-
TOTAL	29,154	1,853	2	(1)	150	15
MIDDLE ATLANTIC:						
NEW YORK	2/ 362	2/ 40	-	-	-	-
NEW JERSEY	392	29	3	(1)	-	-
TOTAL	754	69	3	(1)	-	-
CHESAPEAKE:						
MARYLAND	354	27	-	-	-	-
VIRGINIA	6	1	(1)	(1)	-	-
TOTAL	360	28	(1)	(1)	-	-
PACIFIC:						
WASHINGTON	5,122	251	-	-	-	-
OREGON	236	11	-	-	-	-
TOTAL	5,358	262	-	-	-	-
GRAND TOTAL	35,626	2,212	5	(1)	150	15

AREA AND STATE	GILL NETS		LINES			
			HAND		TROLL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MAINE	855	56	341	10	-	-
MASSACHUSETTS	1,143	73	1,027	67	-	-
RHODE ISLAND	-	-	143	11	-	-
CONNECTICUT	-	-	25	2	-	-
TOTAL	1,998	129	1,536	90	-	-
MIDDLE ATLANTIC:						
NEW YORK	-	-	18	2	-	-
NEW JERSEY	(1)	(1)	17	1	-	-
TOTAL	(1)	(1)	35	3	-	-
CHESAPEAKE:						
MARYLAND	-	-	1	(1)	-	-
VIRGINIA	(1)	(1)	(1)	(1)	-	-
TOTAL	(1)	(1)	1	(1)	-	-
PACIFIC, WASHINGTON	-	-	-	-	1	(1)
GRAND TOTAL	1,998	129	1,572	93	1	(1)

AREA AND STATE	LINES - CONTINUED		DREDGES		TOTAL	
	LONG OR SET WITH HOOKS					
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MAINE	339	11	-	-	2,897	144
NEW HAMPSHIRE	20	1	-	-	20	1
MASSACHUSETTS	1,978	138	(1)	(1)	31,266	2,021
RHODE ISLAND	78	7	-	-	822	62
CONNECTICUT	-	-	-	-	250	16
TOTAL	2,415	157	(1)	(1)	35,255	2,244
MIDDLE ATLANTIC:						
NEW YORK	618	68	-	-	998	110
NEW JERSEY	3,142	269	-	-	3,554	299
DELAWARE	19	1	-	-	19	1
TOTAL	3,779	338	-	-	4,571	410
CHESAPEAKE:						
MARYLAND	191	14	-	-	546	41
VIRGINIA	3	(1)	-	-	9	1
TOTAL	194	14	-	-	555	42
PACIFIC:						
WASHINGTON	13	1	-	-	5,136	252
OREGON	-	-	-	-	236	11
TOTAL	13	1	-	-	5,372	263
GRAND TOTAL	6,401	510	(1)	(1)	45,753	2,959

1/ LESS THAN 500 POUNDS OR $500.

2/ INCLUDES A SMALL CATCH TAKEN BY HAUL SEINES.

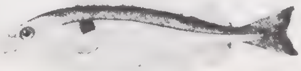
ATLANTIC COAST HADDOCK FISHERY

The 1960 haddock fishery of the United States yielded a commercial catch of 118.7 million pounds valued at $9.4 million. Compared with 1959, landings were up 6 million pounds or 5 percent. The value of the catch was down $1.5 million or 14 percent. The average price paid for haddock declined from 9.7¢ per pound in 1959 to 7.9¢ in 1960. The heavier haddock catch in 1960 was due to a substantial increase in scrod landings. Large haddock landings were down. With little interruption, there has been a steady downward trend in the catch of large haddock from 1938 through 1960.

Landings of haddock at Massachusetts ports amounted to 114.6 million pounds during 1960, accounting for 97 percent of the total catch. The remaining poundage was landed at other ports in the New England and Middle Atlantic area.

Otter trawl catches accounted for 98 percent of the total haddock landings. The remaining 2 percent was taken with lines or in gill nets and dredges.

About 84 percent of the catch was taken from waters off New England. Georges Bank and South Channel yielded the greatest portion of the catch. Waters off Nova Scotia accounted for about 16 percent.



SUMMARY OF HADDOCK CATCH, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	OTTER TRAWLS		GILL NETS		LINES	
					HAND	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MAINE	3,414	257	222	18	16	1
MASSACHUSETTS	112,441	8,876	154	15	80	7
RHODE ISLAND	98	7	-	-	-	-
CONNECTICUT	20	1	-	-	-	-
TOTAL	115,973	9,141	376	33	96	8
MIDDLE ATLANTIC:						
NEW YORK	81	7	-	-	-	-
NEW JERSEY	1	(1)	-	-	-	-
TOTAL	82	7	-	-	-	-
GRAND TOTAL	116,055	9,148	376	33	96	8

AREA AND STATE	LINES - CONTINUED		DREDGES		TOTAL	
	LONG OR SET WITH HOOKS					
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MAINE	182	14	-	-	3,834	290
NEW HAMPSHIRE	20	2	-	-	20	2
MASSACHUSETTS	1,960	192	8	1	114,643	9,091
RHODE ISLAND	-	-	-	-	98	7
CONNECTICUT	-	-	-	-	20	1
TOTAL	2,162	208	8	1	118,615	9,391
MIDDLE ATLANTIC:						
NEW YORK	-	-	-	-	81	7
NEW JERSEY	-	-	-	-	1	(1)
TOTAL	-	-	-	-	82	7
GRAND TOTAL	2,162	208	8	1	118,697	[illegible]

1/ LESS THAN $500.

PACIFIC COAST HALIBUT FISHERY

The halibut fishery of the United States and Canada in the Northeast Pacific Ocean and Bering Sea is managed by the International Pacific Halibut Commission. Under regulation, the fishery, which had declined to an unprofitable state, has been restored to a highly profitable condition. A review of this fishery entitled "Eastern Pacific Halibut Fishery, 1888-1960" appears in Section 12 of this report.

The total catch in 1960 by United States and Canadian fishermen amounted to 71.9 million pounds (landed weight). This was the highest ever taken and well above the 44.2 million pounds taken in 1931, the year immediately prior to regulation of the fishery. In 1960, United States fishermen took 38.3 million pounds or 53 percent of the total catch. Canada continued its growth trend taking the largest catch in the history of its participation in the fishery.

The 1960 halibut season opened April 1 in Area 3B, and on May 1 in all other areas. Fishing in Areas 1B and 2 was divided into two periods. The first season from May 1 to July 21, and the second, without a catch limit restriction, from September 11 to September 8. Area 3A closed on July 25, and Area 3B closed to regular halibut fishing on October 16. Areas 3A and 3B did not have split seasons during 1960.

Data on the landings of halibut in the following tables represent the dressed weight of fish, i.e., the weight by which the quota is determined. The dressed weight of halibut can be converted to round weight by multiplying by 1.33. In other tables of this report, halibut landed in Canada by vessels of United States registry is credited to Alaska.

SUMMARY OF UNITED STATES HALIBUT FLEET OPERATING UNITS, 1960

ITEM	WASHINGTON AND OREGON FLEET	ALASKA FLEET	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER
REGULAR HALIBUT VESSELS:			
NUMBER	139	280	329
GROSS TONNAGE	6,257	8,860	10,650
CREW	787	1,264	1,516
SKATES OF LINES	5,236	8,496	9,948
REGULAR HALIBUT BOATS:			
NUMBER	-	25	25
CREW	-	41	41
SKATES OF LINES	-	158	158
BOATS PRIMARILY IN OTHER FISHERIES BUT LANDING SMALL FARES OF HALIBUT: 1/			
NUMBER	-	49	49
CREW	-	70	70
SKATES OF LINES	-	290	290

1/ DOES NOT INCLUDE TROLLERS OR OTHER BOATS CATCHING HALIBUT INCIDENTAL TO OTHER FISHING OPERATIONS.
NOTE:--UNITED STATES VESSELS LANDING HALIBUT AT PRINCE RUPERT, B. C. HAVE BEEN INCLUDED WITH THOSE LANDING IN ALASKA.

CATCH BY UNITED STATES HALIBUT FLEET, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	LANDED IN						TOTAL	
	WASHINGTON AND OREGON		BRITISH COLUMBIA		ALASKA			
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
HALIBUT	16,935	3,117	1,063	174	20,293	2,918	38,291	6,209
SABLEFISH	3,112	573	29	5	2,049	286	5,190	864
LINGCOD	72	4	-	-	(1)	(1)	72	4
ROCKFISHES	97	5	-	-	1	(1)	98	5
TOTAL	20,216	3,699	1,092	179	22,343	3,204	43,651	7,082

1/ LESS THAN 500 POUNDS OR $500.
NOTE:--IN ADDITION, THERE WERE APPROXIMATELY 59,000 POUNDS OF "NORTHERN" HALIBUT LANDED IN CALIFORNIA. MOST OF THIS CATCH WAS INCLUDED UNDER "CALIFORNIA HALIBUT" AND "UNCLASSIFIED FLOUNDERS". LANDINGS OF HALIBUT AND SABLEFISH LIVERS DURING 1960 AMOUNTED TO 90,690 POUNDS VALUED AT $18,182. THE QUANTITIES SHOWN IN THE ABOVE TABLE REPRESENT DRESSED WEIGHT OF FISH. TO CONVERT TO ROUND WEIGHT, MULTIPLY THE WEIGHT OF HALIBUT BY 1.33 AND OTHER SPECIES BY 1.43.

SUMMARY OF UNITED STATES AND CANADIAN HALIBUT CATCH, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

FLEET CLASSIFICATION	LANDED IN						TOTAL	
	WASHINGTON AND OREGON		BRITISH COLUMBIA		ALASKA			
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
UNITED STATES FLEET 1/. . .	16,935	3,117	1,063	174	20,293	2,918	38,291	6,209
BRITISH COLUMBIA FLEET. . .	3,381	628	26,988	4,351	3,244	427	33,613	5,406
TOTAL.	20,316	3,745	28,051	4,525	23,537	3,345	71,904	11,615

1/ IN ADDITION, THERE WERE APPROXIMATELY 59,000 POUNDS OF "NORTHERN" HALIBUT LANDED IN CALIFORNIA. MOST OF THIS CATCH WAS INCLUDED UNDER "CALIFORNIA HALIBUT" AND "UNCLASSIFIED FLOUNDERS".

NOTE:--STATISTICS IN THE ABOVE TABLE WERE COMPILED FROM DATA COLLECTED BY THE INTERNATIONAL PACIFIC HALIBUT COMMISSION FOR WASHINGTON, OREGON, AND BRITISH COLUMBIA, AND BY THE STATE OF ALASKA. QUANTITIES REPRESENT DRESSED WEIGHT OF THE FISH.

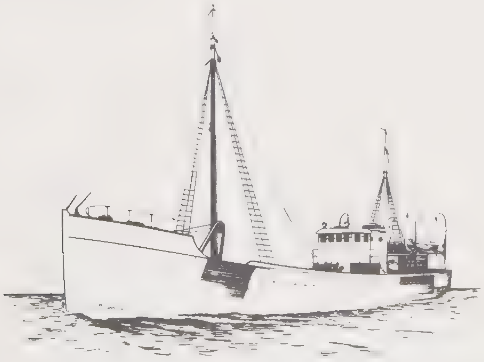
ATLANTIC OCEAN PERCH FISHERY

The catch of Atlantic ocean perch totaled 141.4 million pounds valued at $5.4 million. This was an increase of 4.7 million pounds or 3 percent in volume. The value was down $245,000 or 4 percent.

The entire catch was taken by otter trawls and landed in the States of Maine and Massachusetts. The Maine landings accounted for 78.3 million pounds or 55 percent of the catch and $3 million or 56 percent of the value.

Nova Scotia banks were the principal fishing grounds for ocean perch in 1960. This area yielded about 80 million pounds or 57 percent of the total. Catches on the Grand Banks accounted for 33.6 million pounds or 24 percent. The remainder of the catch was taken off New England or in the Gulf of St. Lawrence.

The area's ocean perch fishery recovered slightly in 1960 from the 1959 low. The fleet operated at capacity. Gloucester trawlers turned more to Nova Scotia banks and away from the distant Gulf of St. Lawrence and Grand Banks which had supplied a large part of the catch through most of the 1950's.



OTTER TRAWLER USED IN OFFSHORE OCEAN PERCH FISHERY

PACIFIC COAST SALMON FISHERY

The 1960 commercial salmon catch in the Pacific Coast States totaled 235 million pounds valued at $45 million--much better than in 1959 when 202 million pounds valued at $36 million were landed. However, only in western and central Alaska was the season really successful. The Alaska catch (207 million pounds valued at $34 million) was up 41 percent in volume and 60 percent in value. In Oregon, the production was about the same as in the previous year. Washington and California landings were well below those of 1959.

Red salmon returned to Bristol Bay, Alaska, in near record numbers in 1960. The total run was estimated at well over 35 million fish. It produced a catch of about 13.5 million fish. Over 20 million fish, perhaps a new record, escaped capture and reached spawning grounds. Gill nets were the most important gear used in taking salmon in 1960, accounting for 122 million pounds or 52 percent of the total catch. Purse seines were in second place with 92 million pounds or 39 percent of the catch. The remaining 9 percent was taken by haul seines, pound nets, lines, dip nets, reef nets, and wheels.

SUMMARY OF PACIFIC COAST SALMON TROLL LINE OPERATING UNITS, 1960

ITEM	ALASKA	WASHINGTON	OREGON	CALIFORNIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	820	959	598	1,522	3,475
ON BOATS AND SHORE	923	720	324	1,139	3,066
TOTAL	1,743	1,679	922	2,661	6,541
VESSELS, MOTOR:					
5 - 9 TONS	232	162	70	107	534
10 - 19 TONS	356	322	193	368	1,102
20 - 29 TONS	86	78	56	132	289
30 - 39 TONS	23	30	16	50	95
40 - 49 TONS	8	1	1	9	18
50 - 59 TONS	1	1	1	2	4
60 - 69 TONS	3	-	-	-	3
TOTAL VESSELS	709	594	337	668	2,045
TOTAL GROSS TONNAGE	10,034	8,694	5,133	11,179	30,364
BOATS, MOTOR	803	592	270	670	2,302
GEAR:					
NUMBER OF LINES	6,048	5,462	2,920	8,028	17,976
HOOKS	24,192	21,928	12,700	48,168	97,316

SALMON CATCH BY DISTRICT AND GEAR, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

GEAR AND SPECIES	ALASKA			
	SOUTHEASTERN	CENTRAL	WESTERN	TOTAL
	QUANTITY	QUANTITY	QUANTITY	QUANTITY
PURSE SEINES:				
CHINOOK OR KING.	108	52	7	167
CHUM OR KETA	7,788	19,506	4,044	31,338
PINK	9,562	32,578	1,569	43,709
RED OR SOCKEYE	2,044	6,596	1,108	9,748
SILVER OR COHO	1,011	558	5	1,574
TOTAL.	20,513	59,290	6,733	86,536
POUND NETS (TRAPS):				
CHINOOK OR KING.	1	-	-	1
CHUM OR KETA	142	-	-	142
PINK	532	-	-	532
RED OR SOCKEYE	74	-	-	74
SILVER OR COHO	28	-	-	28
TOTAL.	777	-	-	777
GILL NETS, ANCHOR:				
CHINOOK OR KING.	16	506	1,613	2,135
CHUM OR KETA	153	1,981	902	3,036
PINK	45	5,982	448	6,475
RED OR SOCKEYE	296	4,780	4,936	10,012
SILVER OR COHO	855	1,595	304	2,754
TOTAL.	1,365	14,844	8,203	24,412
GILL NETS, DRIFT				
CHINOOK OR KING.	325	247	1,595	2,167
CHUM OR KETA	2,107	3,460	7,586	13,153
PINK	223	655	888	1,766
RED OR SOCKEYE	817	3,963	63,546	68,326
SILVER OR COHO	475	1,579	131	2,185
TOTAL.	3,947	9,904	73,746	87,597
LINES:				
CHINOOK OR KING.	4,590	31	-	4,621
CHUM OR KETA	26	-	-	26
PINK	93	2	-	95
RED OR SOCKEYE	5	(1)	-	5
SILVER OR COHO	2,923	87	-	3,010
TOTAL.	7,637	120	-	7,757
WHEELS, CHINOOK OR KING. . . .	-	-	21	21
GRAND TOTAL.	34,239	84,158	88,703	207,100

GEAR AND SPECIES	WASHINGTON							
	PUGET SOUND		WASHINGTON COAST		COLUMBIA RIVER		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
HAUL SEINES:								
CHINOOK OR KING.	63	23	-	-	-	-	63	23
CHUM OR KETA	7	1	-	-	-	-	7	1
SILVER OR COHO	54	19	-	-	-	-	54	19
TOTAL.	124	43	-	-	-	-	124	43
PURSE SEINES:								
CHINOOK OR KING.	385	96	-	-	-	-	385	96
CHUM OR KETA	644	158	-	-	-	-	644	158
PINK	1	(1)	-	-	-	-	1	(1)
RED OR SOCKEYE	4,590	1,483	-	-	-	-	4,590	1,483
SILVER OR COHO	241	84	-	-	-	-	241	84
TOTAL.	5,861	1,821	-	-	-	-	5,861	1,821

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SALMON CATCH BY DISTRICT AND GEAR, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

GEAR AND SPECIES	WASHINGTON							
	PUGET SOUND		WASHINGTON COAST		COLUMBIA RIVER		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
POUND NETS:								
CHINOOK OR KING.	86	31	-	-	11	1	97	32
CHUM OR KETA	1	(1)	-	-	-	-	1	(1)
RED OR SOCKEYE	2	1	-	-	-	-	2	1
SILVER OR COHO	63	22	-	-	(1)	(1)	63	22
TOTAL.	152	54	-	-	11	1	163	55
GILL NETS:								
CHINOOK OR KING.	709	261	416	163	1,154	398	2,279	822
CHUM OR KETA	680	163	750	144	6	1	1,436	308
PINK	1	(1)	-	-	-	-	1	(1)
RED OR SOCKEYE	1,485	479	155	74	104	35	1,744	588
SILVER OR COHO	459	173	537	189	32	11	1,028	373
TOTAL	3,334	1,076	1,858	570	1,296	445	6,488	2,091
LINES:								
CHINOOK OR KING.	785	376	814	397	107	52	1,706	825
CHUM OR KETA	1	(1)	(1)	(1)	-	-	1	(1)
PINK	9	2	(1)	(1)	-	-	9	2
RED OR SOCKEYE	6	2	1	(1)	-	-	7	2
SILVER OR COHO	515	214	580	240	401	156	1,496	610
TOTAL.	1,316	594	1,395	637	508	208	3,219	1,439
DIP NETS:								
CHINOOK OR KING.	-	-	-	-	70	21	70	21
RED OR SOCKEYE	-	-	-	-	2	1	2	1
SILVER OR COHO	-	-	-	-	1	(1)	1	(1)
TOTAL.	-	-	-	-	73	22	73	22
REEF NETS:								
CHINOOK OR KING.	37	9	-	-	-	-	37	9
CHUM OR KETA	6	1	-	-	-	-	6	1
PINK	(1)	(1)	-	-	-	-	(1)	(1)
RED OR SOCKEYE	525	170	-	-	-	-	525	170
SILVER OR COHO	32	11	-	-	-	-	32	11
TOTAL.	600	191	-	-	-	-	600	191
GRAND TOTAL.	11,387	3,779	3,253	1,207	1,888	676	16,528	5,662

GEAR AND SPECIES	OREGON					
	COLUMBIA RIVER		OREGON COAST		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
GILL NETS:						
CHINOOK OR KING.	2,746	953	17	6	2,763	959
CHUM OR KETA	9	1	12	1	21	2
RED OR SOCKEYE	291	96	-	-	291	96
SILVER OR COHO	126	40	4	2	130	42
TOTAL.	3,172	1,090	33	9	3,205	1,099
LINES:						
CHINOOK OR KING.	95	45	1,433	685	1,528	730
SILVER OR COHO	234	94	608	243	842	337
TOTAL.	329	139	2,041	928	2,370	1,067
DIP NETS:						
CHINOOK OR KING.	22	7	-	-	22	7
RED OR SOCKEYE	1	(1)	-	-	1	(1)
SILVER OR COHO	(1)	(1)	-	-	(1)	(1)
TOTAL.	23	7	-	-	23	7
GRAND TOTAL.	3,524	1,236	2,074	937	5,598	2,173

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SALMON CATCH BY DISTRICT AND GEAR, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

GEAR AND SPECIES	CALIFORNIA					
	NORTHERN		SAN FRANCISCO		MONTEREY	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
LINES:						
CHINOOK OR KING.	2,330	1,273	2,786	1,535	802	392
SILVER OR COHO	107	46	104	45	14	6
TOTAL.	2,437	1,319	2,890	1,580	816	398

GEAR AND SPECIES	CALIFORNIA - CONTINUED							
	SANTA BARBARA		SAN PEDRO		SAN DIEGO		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
LINES:								
CHINOOK OR KING.	73	39	5	3	(1)	(1)	5,996	3,242
SILVER OR COHO	-	-	-	-	-	-	225	97
TOTAL.	73	39	5	3	(1)	(1)	6,221	3,339

1/ LESS THAN 500 POUNDS OR $500.

NOTE:--IN ALASKA, THE CATCH TAKEN BY HAUL SEINES IS INCLUDED WITH THAT TAKEN BY PURSE SEINES.

SUMMARY OF SALMON CATCH BY DISTRICTS, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	ALASKA							
	SOUTHEASTERN		CENTRAL		WESTERN		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CHINOOK OR KING.	5,040	1,712	836	198	3,236	648	9,112	2,558
CHUM OR KETA	10,216	963	24,947	2,014	12,532	923	47,695	3,900
PINK	10,455	1,332	39,217	5,235	2,905	248	52,577	6,815
RED OR SOCKEYE	3,236	831	15,339	3,629	69,590	13,633	88,165	18,093
SILVER OR COHO	5,292	1,471	3,819	659	440	60	9,551	2,190
TOTAL.	34,239	6,309	84,158	11,735	88,703	15,512	207,100	33,556

SPECIES	WASHINGTON							
	PUGET SOUND		WASHINGTON COAST		COLUMBIA RIVER		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CHINOOK OR KING.	2,065	795	1,230	560	1,341	472	4,636	1,827
CHUM OR KETA	1,339	324	750	144	6	1	2,095	469
PINK	11	2	(1)	(1)	-	-	11	2
RED OR SOCKEYE	6,608	2,135	156	74	106	36	6,870	2,245
SILVER OR COHO	1,364	523	1,117	429	435	167	2,916	1,119
TOTAL.	11,387	3,779	3,253	1,207	1,888	676	16,528	5,662

SPECIES	OREGON					
	COLUMBIA RIVER		OREGON COAST		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CHINOOK OR KING.	2,863	1,005	1,450	691	4,313	1,696
CHUM OR KETA	9	1	12	1	21	2
RED OR SOCKEYE	291	96	-	-	291	96
SILVER OR COHO	361	134	612	245	973	379
TOTAL.	3,524	1,235	2,074	937	5,598	2,173

SPECIES	CALIFORNIA					
	NORTHERN		SAN FRANCISCO		MONTEREY	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CHINOOK OR KING.	2,330	1,273	2,786	1,535	802	392
SILVER OR COHO	107	46	104	45	14	6
TOTAL.	2,437	1,319	2,890	1,580	816	398

SPECIES	CALIFORNIA - CONTINUED							
	SANTA BARBARA		SAN PEDRO		SAN DIEGO		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CHINOOK OR KING.	73	39	5	3	(1)	(1)	5,996	3,242
SILVER OR COHO	-	-	-	-	-	-	225	[illegible]
TOTAL.	73	39	5	3	(1)	(1)	6,221	[illegible]

1/ LESS THAN 500 POUNDS OR $500.

SUMMARY OF SALMON CATCH BY GEAR, 1960

(THOUSANDS OF POUNDS)

STATE AND DISTRICT	HAUL SEINES	PURSE SEINES	POUND NETS	GILL NETS	LINES	DIP NETS	REEF NETS	WHEELS	TOTAL
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
ALASKA:									
SOUTHEASTERN. . .	-	20,513	777	5,312	7,637	-	-	-	34,239
CENTRAL	-	59,290	-	24,748	120	-	-	-	84,158
WESTERN	-	6,733	-	81,949	-	-	-	21	88,703
TOTAL	-	86,536	777	112,009	7,757	-	-	21	207,100
WASHINGTON:									
PUGET SOUND . . .	124	5,861	152	3,334	1,316	-	600	-	11,387
WASHINGTON COAST.	-	-	-	1,858	1,395	-	-	-	3,253
COLUMBIA RIVER. .	-	-	11	1,296	508	73	-	-	1,888
TOTAL	124	5,861	163	6,488	3,219	73	600	-	16,528
OREGON:									
COLUMBIA RIVER. .	-	-	-	3,172	329	23	-	-	3,524
OREGON COAST. . .	-	-	-	33	2,041	-	-	-	2,074
TOTAL	-	-	-	3,205	2,370	23	-	-	5,598
CALIFORNIA:									
NORTHERN.	-	-	-	-	2,437	-	-	-	2,437
SAN FRANCISCO . .	-	-	-	-	2,890	-	-	-	2,890
MONTEREY.	-	-	-	-	816	-	-	-	816
SANTA BARBARA . .	-	-	-	-	73	-	-	-	73
SAN PEDRO	-	-	-	-	5	-	-	-	5
SAN DIEGO	-	-	-	-	(1)	-	-	-	(1)
TOTAL	-	-	-	-	6,221	-	-	-	6,221
GRAND TOTAL .	124	92,397	940	121,702	19,567	96	600	21	235,447

1/ LESS THAN 500 POUNDS.

SUMMARY OF SALMON CATCH BY SPECIES, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	TOTAL	
	QUANTITY	VALUE
CHINOOK OR KING	24,057	9,323
CHUM OR KETA.	49,811	4,371
PINK.	52,588	6,817
RED OR SOCKEYE.	95,326	20,434
SILVER OR COHO.	13,665	3,785
TOTAL	235,447	44,730

PACIFIC COAST SARDINE FISHERY

The California sardine season was another dismal failure. The catch dropped from 74 million pounds in 1959 to only 58 million pounds in 1960. It was the fourth smallest catch taken since 1915. There was no lack of fishing effort, and weather did not limit fishing activities. Sardines just failed to appear in appreciable quantities--catches were spotty and light in normal fishing areas. High surface water temperatures were believed, at least partially, responsible for poor showings of sardines during most of the season. Only a few thousand cases of sardines were packed in San Francisco, and most of the fish canned in Monterey was trucked from southern ports. Almost all the 1960 pack, the lowest since 1957, was processed in southern California.

PACIFIC MACKEREL FISHERIES

The 1960 catch of jack mackerel (75 million pounds) was 37 million pounds greater than in 1959. Pacific mackerel (37 million pounds) was taken in about the same amounts as in the previous year. The combined catch (112 million pounds valued at $2.4 million) represented an increase over 1959 of 36.6 million pounds valued at $490,000 to the fishermen. Lacking sardines in consistent quantities during the fall months of the year, seiners took substantial quantities of mackerel. Canners' requirements for jack mackerel were stimulated by the poor sardine season. As in previous years, most of the catch of both jack and Pacific mackerel was landed in the San Pedro district. About 79 percent of the jack mackerel and 88 percent of the Pacific mackerel was landed in this district.

Nearly all of the jack mackerel and 87 percent of the Pacific mackerel were taken by purse seines and lampara nets. Otter trawls, gill and trammel nets, lines, and brail or scoop nets accounted for the remainder of the catch.

SUMMARY OF PACIFIC JACK MACKEREL CATCH, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

STATE AND DISTRICT	PURSE SEINES AND LAMPARA NETS		OTTER TRAWLS		GILL AND TRAMMEL NETS 1/	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CALIFORNIA:						
SAN FRANCISCO	3	(3)	3	(3)	-	-
MONTEREY	2,205	49	9	(3)	-	-
SANTA BARBARA	13,182	235	-	-	-	-
SAN PEDRO	59,474	1,297	-	-	-	-
TOTAL	74,864	1,581	12	(3)	-	-
HAWAII	-	-	-	-	3	(3)
GRAND TOTAL	74,864	1,581	12	(3)	3	(3)

STATE AND DISTRICT	LINES		BRAIL OR SCOOP NETS 2/		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CALIFORNIA:						
SAN FRANCISCO	-	-	-	-	6	(3)
MONTEREY	-	-	51	1	2,265	50
SANTA BARBARA	-	-	16	(3)	13,198	235
SAN PEDRO	-	-	2	(3)	59,476	1,297
TOTAL	-	-	69	1	74,945	1,582
HAWAII	91	47	98	35	192	82
GRAND TOTAL	91	47	167	36	75,137	1,664

1/ INCLUDES THE CATCH BY HAUL SEINES AND BAG NETS IN HAWAII.
2/ INCLUDES THE CATCH BY LIFT NETS IN HAWAII.
3/ LESS THAN $500.

SUMMARY OF PACIFIC MACKEREL CATCH, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

STATE AND DISTRICT	PURSE SEINES AND LAMPARA NETS		LINES		BRAIL OR SCOOP NETS		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CALIFORNIA:								
MONTEREY	200	4	-	-	14	(1)	214	4
SANTA BARBARA	3,814	64	-	-	239	4	4,053	68
SAN PEDRO	27,986	588	39	1	4,480	94	32,505	683
SAN DIEGO	18	1	-	-	20	1	38	2
TOTAL	32,018	657	39	1	4,753	99	36,810	757

1/ LESS THAN $500.

PACIFIC TUNA FISHERY

The 1960 domestic catch of tuna landed at Pacific Coast and Hawaiian ports totaled 296.8 million pounds valued at $37.5 million. Compared with the previous year, this represented an increase of 14 million pounds and $257,000. In Hawaii, the catch was down due to small landings of skipjack tuna; however, the Pacific Coast fishery had a better year than in 1959. Landings on the mainland increased from 268 million pounds in 1959 to 288 million pounds in 1960. Outstanding in the economic recovery of the fishery was the success of clippers converted to seiners. Tuna seiners demonstrated both efficiency and economy by taking larger catches in less than half the time required by the tuna clippers. In 1959, purse seiners accounted for 27 percent of the Pacific Coast landings. In 1960, they accounted for 59 percent of the total landings in this area.

In 1960, a total of 4,858 fishermen, 1,081 vessels, 241 motor boats, and 213 accessory boats engaged in the United States Pacific tuna fishery.

SUMMARY OF PACIFIC COAST TUNA OPERATING UNITS, 1960

ITEM	PURSE SEINES	LINES, HAND			TOTAL, EXCLUSIVE OF DUPLICATION
		ALBACORE BAIT BOATS	TUNA CLIPPERS	ALBACORE TROLLERS	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	1,382	884	1,017	2,264	4,400
ON BOATS AND SHORE	-	32	-	426	458
TOTAL	1,382	916	1,017	2,690	4,858
VESSELS, MOTOR:					
5 - 9 TONS	-	2	-	48	48
10 - 19 TONS	-	75	-	383	388
20 - 29 TONS	1	68	1	232	240
30 - 39 TONS	1	47	5	130	134
40 - 49 TONS	1	8	4	44	49
50 - 59 TONS	2	6	2	22	25
60 - 69 TONS	2	1	1	15	18
70 - 79 TONS	2	1	2	6	10
80 - 89 TONS	3	4	2	7	10
90 - 99 TONS	4	2	-	2	6
100 - 109 TONS	3	1	1	1	5
110 - 119 TONS	13	1	1	1	15
120 - 129 TONS	6	-	-	-	6
130 - 139 TONS	7	-	1	1	8
140 - 149 TONS	1	-	-	-	1
150 - 159 TONS	5	-	-	-	5
160 - 169 TONS	2	2	3	-	5
170 - 179 TONS	1	-	1	-	2
180 - 189 TONS	2	1	1	-	3
190 - 199 TONS	8	5	9	-	15
200 - 209 TONS	-	-	1	-	1
210 - 219 TONS	2	-	1	-	2
220 - 229 TONS	-	-	1	-	1
230 - 239 TONS	1	1	3	-	4
240 - 249 TONS	-	1	2	-	2
250 - 259 TONS	4	1	1	-	4
260 - 269 TONS	3	-	1	-	3
270 - 279 TONS	4	-	3	-	5
280 - 289 TONS	1	-	-	-	1
290 - 299 TONS	2	-	1	-	2

(CONTINUED ON NEXT PAGE)

SUMMARY OF PACIFIC COAST TUNA OPERATING UNITS, 1960 - Continued

ITEM	PURSE SEINES	LINES, HAND			TOTAL, EXCLUSIVE OF DUPLICATION
		ALBACORE BAIT BOATS	TUNA CLIPPERS	ALBACORE TROLLERS	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
VESSELS, MOTOR - CONTINUED:					
300 - 309 TONS	1	-	1	-	1
310 - 319 TONS	3	-	4	-	4
320 - 329 TONS	2	-	-	-	2
330 - 339 TONS	2	-	-	-	2
340 - 349 TONS	2	-	-	-	2
350 - 359 TONS	2	-	1	-	3
360 - 369 TONS	2	-	6	-	6
370 - 379 TONS	4	1	10	-	13
380 - 389 TONS	1	-	3	-	3
390 - 399 TONS	2	-	1	-	3
400 - 409 TONS	1	-	-	-	1
410 - 419 TONS	1	-	1	-	2
420 - 429 TONS	3	-	1	-	3
430 - 439 TONS	3	-	3	-	5
440 - 449 TONS	1	-	1	-	1
450 - 459 TONS	-	-	1	-	1
460 - 469 TONS	1	-	2	-	3
470 - 479 TONS	1	-	-	-	1
480 - 489 TONS	1	-	1	-	1
490 - 499 TONS	1	-	2	-	2
500 - 509 TONS	-	-	1	-	1
520 - 529 TONS	1	-	-	-	1
680 - 689 TONS	1	-	1	-	1
700 - 709 TONS	-	-	1	-	1
TOTAL VESSELS	117	228	89	892	1,081
TOTAL GROSS TONNAGE	26,765	8,502	24,014	21,568	64,481
BOATS, MOTOR	-	16	-	225	241
ACCESSORY BOATS	149	30	81	-	213
GEAR:					
NUMBER	117	918	1,017	10,082	-
LENGTH, YARDS	88,578	-	-	-	-
HOOKS	-	918	1,017	10,082	-

SUMMARY OF PACIFIC TUNA CATCH, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES, STATE, AND DISTRICT	PURSE SEINES		LINES		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALBACORE:						
WASHINGTON:						
PUGET SOUND.	-	-	42	6	42	6
COASTAL.	-	-	159	24	159	24
COLUMBIA RIVER	-	-	325	49	325	49
TOTAL.	-	-	526	79	526	79
OREGON:						
COLUMBIA RIVER	-	-	4,052	608	4,052	608
COASTAL.	-	-	511	75	511	75
TOTAL.	-	-	4,563	683	4,563	683
CALIFORNIA:						
NORTHERN	-	-	1,730	213	1,730	213
SAN FRANCISCO.	-	-	3,035	401	3,035	401
MONTEREY	-	-	2,894	367	2,894	367
SANTA BARBARA.	-	-	1,464	194	1,464	194
SAN PEDRO.	30	5	21,032	3,230	21,062	3,235
SAN DIEGO.	-	-	4,928	767	4,928	767
TOTAL.	30	5	35,083	5,172	35,113	5,177
HAWAII	-	-	9	3	9	3
GRAND TOTAL, ALBACORE. .	30	5	40,181	5,937	40,211	5,942
BLUEFIN:						
CALIFORNIA:						
SAN PEDRO.	11,306	1,378	-	-	11,306	1,378
SAN DIEGO.	646	78	-	-	646	78
TOTAL.	11,952	1,456	-	-	11,952	1,456
HAWAII 1/.	-	-	1,296	581	1,296	581
GRAND TOTAL, BLUEFIN . .	11,952	1,456	1,296	581	13,248	2,037
LITTLE, HAWAII	-	-	4	1	4	1
SKIPJACK:						
CALIFORNIA:						
SAN PEDRO.	8,222	845	24,666	2,536	32,888	3,381
SAN DIEGO.	10,062	1,058	3,354	352	13,416	1,410
TOTAL.	18,284	1,903	28,020	2,888	46,304	4,791
HAWAII	-	-	7,356	1,001	7,356	1,001
GRAND TOTAL, SKIPJACK. .	18,284	1,903	35,376	3,889	53,660	5,792
YELLOWFIN:						
CALIFORNIA:						
SAN PEDRO.	128,087	15,934	40,449	5,032	168,536	20,966
SAN DIEGO.	15,786	1,976	4,985	624	20,771	2,600
TOTAL.	143,873	17,910	45,434	5,656	189,307	23,566
HAWAII	-	-	355	152	355	152
GRAND TOTAL, YELLOWFIN .	143,873	17,910	45,789	5,808	189,662	23,718
GRAND TOTAL, ALL SPECIES	174,139	21,274	122,646	16,216	296,785	37,490

1/ INCLUDES THE CATCH OF BIGEYE TUNA.

UNITED STATES MENHADEN FISHERY

The 1960 menhaden catch totaled 2 billion pounds and accounted for 41 percent of the total United States production of all aquatic products. The catch was 184 million pounds less than in 1959, but the third largest in the history of the fishery. Increased catches of menhaden in the Gulf of Mexico resulted in a record catch of 841 million pounds from the waters of Mississippi, Louisiana, and northern Texas. Along the Atlantic Coast, the catch was less than in 1959 because of reduced production off Virginia and North Carolina.

Purse seines accounted for 98 percent of the 1960 catch. Haul seines, otter trawls, pound nets, gill nets, floating traps, fyke nets, and trammel nets accounted for the remainder.

Of the total, 42 percent was landed in the Gulf of Mexico, 33 percent in the Middle Atlantic, 12 percent in the Chesapeake, 11 percent in the South Atlantic, and 2 percent in the New England area.

There is included in this Section a detailed summary of operating units engaged in the Atlantic and Gulf Coast menhaden purse seine fishery. During 1960, a total of 4,353 fishermen, 183 vessels, and 576 accessory craft was engaged in the menhaden fishery.

SUMMARY OF MENHADEN PURSE SEINE VESSELS, BY TONNAGE GROUPS, 1960

GROSS TONNAGE	NEW ENGLAND			MIDDLE ATLANTIC				CHESAPEAKE
	MASSACHUSETTS	RHODE ISLAND	TOTAL, EXCLUSIVE OF DUPLICATION	NEW YORK	NEW JERSEY	DELAWARE	TOTAL, EXCLUSIVE OF DUPLICATION	VIRGINIA
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
20 - 29. . . .	-	1	1	-	-	-	-	-
30 - 39. . . .	-	-	-	-	-	-	-	1
40 - 49. . . .	-	1	1	-	-	-	-	1
50 - 59. . . .	-	1	1	-	-	-	-	-
60 - 69. . . .	2	1	3	-	-	-	-	-
70 - 79. . . .	2	-	2	-	-	-	-	-
80 - 89. . . .	1	-	1	-	-	-	-	-
110 - 119. . . .	-	-	-	-	1	-	1	-
120 - 129. . . .	-	-	-	-	-	-	-	1
140 - 149. . . .	-	-	-	-	1	-	1	5
150 - 159. . . .	-	-	-	-	1	-	1	1
160 - 169. . . .	-	-	-	-	-	-	-	1
170 - 179. . . .	-	-	-	-	4	1	5	-
180 - 189. . . .	-	-	-	1	3	-	4	1
190 - 199. . . .	-	-	-	-	15	12	27	4
220 - 229. . . .	-	-	-	4	-	-	4	1
230 - 239. . . .	-	-	-	1	-	-	1	1
240 - 249. . . .	-	-	-	-	-	-	-	2
260 - 269. . . .	-	-	-	-	1	-	1	3
280 - 289. . . .	-	-	-	-	2	-	2	1
290 - 299. . . .	-	-	-	1	-	-	1	1
300 - 309. . . .	-	-	-	2	-	-	2	-
310 - 319. . . .	-	-	-	1	-	-	1	-
320 - 329. . . .	-	-	-	-	-	-	-	1
370 - 379. . . .	-	-	-	-	-	-	-	1
390 - 399. . . .	-	-	-	-	-	-	-	1
TOTAL VESSELS.	5	4	9	10	28	13	51	27
TOTAL GROSS TONNAGE . . .	356	186	542	2,546	5,458	2,555	10,559	5,642

(CONTINUED ON NEXT PAGE)

SUMMARY OF MENHADEN PURSE SEINE VESSELS, BY TONNAGE GROUPS, 1960 - Continued

GROSS TONNAGE	SOUTH ATLANTIC			GULF					GRAND TOTAL, EXCLUSIVE OF DUPLICATION
	NORTH CAROLINA	FLORIDA, EAST COAST	TOTAL, EXCLUSIVE OF DUPLICATION	FLORIDA, WEST COAST	MISSISSIPPI	LOUISIANA	TEXAS	TOTAL, EXCLUSIVE OF DUPLICATION	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
20 - 29. . . .	-	-	-	-	-	-	-	-	1
30 - 39. . . .	-	-	-	-	-	-	-	-	1
40 - 49. . . .	1	-	1	-	-	1	-	1	4
50 - 59. . . .	2	-	2	-	-	-	-	-	3
60 - 69. . . .	3	-	3	-	-	1	-	1	7
70 - 79. . . .	1	-	1	-	-	-	-	-	3
80 - 89. . . .	-	-	-	-	-	-	-	-	1
100 - 109. . . .	-	-	-	1	-	2	-	3	3
110 - 119. . . .	1	-	1	-	-	3	2	3	4
120 - 129. . . .	-	1	1	-	-	2	-	2	4
130 - 139. . . .	-	-	-	-	-	2	4	5	5
140 - 149. . . .	2	1	3	-	-	5	3	6	14
150 - 159. . . .	1	1	2	1	1	1	-	3	6
160 - 169. . . .	-	-	-	-	1	2	4	6	7
170 - 179. . . .	-	-	-	-	1	5	-	6	11
180 - 189. . . .	2	-	2	-	2	5	4	7	12
190 - 199. . . .	6	-	6	-	5	6	1	10	41
200 - 209. . . .	-	-	-	-	-	1	-	1	1
210 - 219. . . .	-	-	-	-	-	1	-	1	1
220 - 229. . . .	4	-	4	-	1	3	-	4	9
230 - 239. . . .	1	-	1	-	-	1	-	1	3
240 - 249. . . .	4	-	4	-	-	-	-	-	5
250 - 259. . . .	6	-	6	-	-	2	-	2	6
260 - 269. . . .	4	-	4	-	1	1	-	2	8
280 - 289. . . .	2	-	2	-	-	-	-	-	3
290 - 299. . . .	1	-	1	-	1	-	-	1	3
300 - 309. . . .	-	-	-	-	-	-	-	-	2
310 - 319. . . .	-	-	-	-	-	1	-	1	2
320 - 329. . . .	-	-	-	-	-	-	-	-	1
370 - 379. . . .	-	-	-	-	-	-	-	-	1
390 - 399. . . .	1	-	1	-	-	-	-	-	1
410 - 419. . . .	-	-	-	-	-	1	-	1	1
460 - 469. . . .	-	-	-	-	-	1	-	1	1
470 - 479. . . .	-	-	-	-	3	2	-	5	5
600 - 609. . . .	-	-	-	-	1	-	-	1	1
610 - 619. . . .	-	-	-	-	1	-	-	1	1
640 - 649. . . .	-	-	-	-	1	1	-	1	1
TOTAL VESSELS.	42	3	45	2	19	50	18	76	183
TOTAL GROSS TONNAGE . . .	8,470	422	8,892	262	5,909	10,226	2,769	16,578	36,592

SUMMARY OF MENHADEN PURSE SEINE OPERATING UNITS, 1960

AREA AND STATE	VESSELS		ACCESSORY BOATS	FISHERMEN	PURSE SEINES	
	NUMBER	GROSS TONNAGE	NUMBER	NUMBER	NUMBER	LENGTH IN YARDS
NEW ENGLAND:						
MASSACHUSETTS	5	356	10	80	5	2,525
RHODE ISLAND.	4	186	8	31	4	1,325
TOTAL, EXCLUSIVE OF DUPLICATION.	9	542	18	111	9	3,850
MIDDLE ATLANTIC:						
NEW YORK.	10	2,546	30	170	10	4,360
NEW JERSEY.	28	5,458	84	476	28	10,810
DELAWARE.	13	2,555	39	247	13	4,470
TOTAL, EXCLUSIVE OF DUPLICATION.	51	10,559	153	893	51	19,640
CHESAPEAKE, VIRGINIA.	27	5,642	78	464	27	10,050
SOUTH ATLANTIC:						
NORTH CAROLINA.	42	8,470	126	943	42	16,800
FLORIDA, EAST COAST	3	422	9	57	3	1,200
TOTAL, EXCLUSIVE OF DUPLICATION.	45	8,892	135	1,000	45	18,000
GULF:						
FLORIDA, WEST COAST	2	262	6	48	2	800
MISSISSIPPI	19	5,909	57	378	19	7,895
LOUISIANA	50	10,226	150	1,070	50	20,176
TEXAS	18	2,769	54	389	18	9,000
TOTAL, EXCLUSIVE OF DUPLICATION.	76	16,578	267	1,885	76	32,450
GRAND TOTAL, EXCLUSIVE OF DUPLICATION	183	36,592	576	4,353	183	73,915

SUMMARY OF MENHADEN CATCH, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MAINE	-	-	35	1	-	-
MASSACHUSETTS	-	-	18,001	173	-	-
RHODE ISLAND.	-	-	24,511	221	-	-
CONNECTICUT	-	-	-	-	1	(1)
TOTAL	-	-	42,547	395	1	(1)
MIDDLE ATLANTIC:						
NEW YORK.	8	(1)	82,410	830	-	-
NEW JERSEY.	-	-	291,171	2,806	-	-
DELAWARE.	48	1	280,663	2,750	-	-
TOTAL	56	1	654,244	6,386	-	-
CHESAPEAKE:						
MARYLAND.	16	(1)	-	-	-	-
VIRGINIA.	4,515	64	223,244	1,884	-	-
TOTAL	4,531	64	223,244	1,884	-	-
SOUTH ATLANTIC:						
NORTH CAROLINA.	14	(1)	190,417	1,981	-	-
FLORIDA, EAST COAST	5	(1)	24,038	189	-	-
TOTAL	19	(1)	214,455	2,170	-	-
GULF:						
FLORIDA, WEST COAST	5	(1)	6,569	60	-	-
MISSISSIPPI	-	-	218,644	2,198	-	-
LOUISIANA	-	-	470,108	5,139	-	-
TEXAS	-	-	145,575	1,497	-	-
TOTAL	5	(1)	840,896	8,894	-	-
GRAND TOTAL	4,611	65	1,975,386	19,729	1	(1)

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF MENHADEN CATCH, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	POUND NETS		FLOATING TRAPS		FYKE NETS	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MASSACHUSETTS	27	1	4	(1)	-	-
RHODE ISLAND	-	-	38	(1)	-	-
TOTAL	27	1	42	(1)	-	-
MIDDLE ATLANTIC:						
NEW YORK	1,743	18	-	-	-	-
NEW JERSEY	14,347	138	-	-	-	-
TOTAL	16,090	156	-	-	-	-
CHESAPEAKE:						
MARYLAND	2,883	49	-	-	-	-
VIRGINIA	18,002	269	-	-	234	4
TOTAL	20,885	318	-	-	234	4
GRAND TOTAL	37,002	475	42	(1)	234	4

AREA AND STATE	GILL NETS		TRAMMEL NETS		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MAINE	-	-	-	-	35	1
MASSACHUSETTS	-	-	-	-	18,032	174
RHODE ISLAND	-	-	-	-	24,549	221
CONNECTICUT	12	(1)	-	-	13	(1)
TOTAL	12	(1)	-	-	42,629	396
MIDDLE ATLANTIC:						
NEW YORK	-	-	-	-	84,161	848
NEW JERSEY	409	13	-	-	305,927	2,957
DELAWARE	-	-	-	-	280,711	2,751
TOTAL	409	13	-	-	670,799	6,556
CHESAPEAKE:						
MARYLAND	5	(1)	-	-	2,904	49
VIRGINIA	6	(1)	-	-	246,001	2,221
TOTAL	11	(1)	-	-	248,905	2,270
SOUTH ATLANTIC:						
NORTH CAROLINA	-	-	-	-	190,431	1,981
FLORIDA, EAST COAST	544	15	5	(1)	24,592	204
TOTAL	544	15	5	(1)	215,023	2,185
GULF:						
FLORIDA, WEST COAST	6	(1)	-	-	6,580	60
MISSISSIPPI	-	-	-	-	218,644	2,198
LOUISIANA	-	-	-	-	470,108	5,139
TEXAS	-	-	-	-	145,575	1,497
TOTAL	6	(1)	-	-	840,907	8,894
GRAND TOTAL	982	28	5	(1)	2,018,263	20,301

1/ LESS THAN $500.

REVIEW OF CERTAIN MAJOR FISHERIES

UNITED STATES CLAM FISHERY

The 1960 yield of the United States clam fishery totaled nearly 50 million pounds of meats valued at $12 million to the fishermen. Compared with the previous year, this represented an increase of 10 percent in volume and 5 percent in value. The Middle Atlantic led all other areas in the production of clam meats with 64 percent of the total. The New England and Chesapeake States each accounted for 16 percent of the total. The remaining 4 percent was produced in the South Atlantic, Gulf, and Pacific Coast areas.

Dredges accounted for 34.8 million pounds or 70 percent of the total clam meat production. Tongs harvested 5.2 million pounds or 11 percent. The remainder of the catch was taken with rakes, hoes, shovels, forks, or gathered by hand.

In Section 13 of this Digest, under the heading "Conversion Factors", there is a table which gives the average State yield per United States standard bushel for the clams taken on the Atlantic and Gulf Coasts. Supplementary shellfish tables appear after the summary tables for each Atlantic and Gulf regional section.

SUMMARY OF CLAM CATCH, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	COCKLE		HARD		OCEAN QUAHOG		RAZOR	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:								
MAINE	-	-	64	41	-	-	-	-
MASSACHUSETTS	-	-	1,401	721	-	-	78	20
RHODE ISLAND.	-	-	3,210	1,407	-	-	-	-
CONNECTICUT	-	-	370	121	-	-	-	-
TOTAL	-	-	5,045	2,290	186	19	78	20
MIDDLE ATLANTIC:								
NEW YORK.	-	-	3,888	2,392	-	-	6	1
NEW JERSEY.	-	-	2,552	900	-	-	-	-
DELAWARE.	-	-	484	192	-	-	-	-
TOTAL	-	-	6,924	3,484	-	-	6	1
CHESAPEAKE:								
MARYLAND.	-	-	172	74	-	-	-	-
VIRGINIA.	-	-	1,661	756	-	-	-	-
TOTAL	-	-	1,833	830	-	-	-	-
SOUTH ATLANTIC:								
NORTH CAROLINA. . . .	-	-	432	173	-	-	-	-
SOUTH CAROLINA. . . .	-	-	97	32	-	-	-	-
FLORIDA, EAST COAST .	-	-	2	(1)	-	-	-	-
TOTAL	-	-	531	205	-	-	-	-
GULF, FLORIDA, WEST COAST.	-	-	18	6	-	-	-	-
PACIFIC:								
ALASKA.	21	11	-	-	-	-	534	165
WASHINGTON.	-	-	524	213	-	-	186	100
OREGON.	-	-	-	-	-	-	20	10
CALIFORNIA.	-	-	2	3	-	-	-	-
TOTAL	21	11	526	216	-	-	740	275
GRAND TOTAL . . .	21	11	14,877	7,031	186	19	824	296

(CONTINUED ON NEXT PAGE)

SUMMARY OF CLAM CATCH, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	SOFT		SURF		MIXED		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:								
MAINE	2,074	823	-	-	-	-	2,138	864
MASSACHUSETTS	731	491	3	(1)	-	-	2,213	1,232
RHODE ISLAND	5	3	-	-	-	-	3,401	1,429
CONNECTICUT	1	(1)	-	-	-	-	371	121
TOTAL	2,811	1,317	3	(1)	-	-	8,123	3,646
MIDDLE ATLANTIC:								
NEW YORK	153	44	722	85	-	-	4,769	2,522
NEW JERSEY	45	19	23,448	1,546	-	-	26,045	2,465
DELAWARE	-	-	478	48	-	-	962	240
TOTAL	198	63	24,648	1,679	-	-	31,776	5,227
CHESAPEAKE:								
MARYLAND	5,569	1,594	420	34	-	-	6,161	1,702
VIRGINIA	1	(1)	-	-	-	-	1,662	756
TOTAL	5,570	1,594	420	34	-	-	7,823	2,458
SOUTH ATLANTIC:								
NORTH CAROLINA	-	-	-	-	-	-	432	173
SOUTH CAROLINA	-	-	-	-	-	-	97	32
FLORIDA, EAST COAST	-	-	-	-	-	-	2	(1)
TOTAL	-	-	-	-	-	-	531	205
GULF, FLORIDA, WEST COAST	-	-	-	-	-	-	18	6
PACIFIC:								
ALASKA	-	-	-	-	-	-	555	176
WASHINGTON	-	-	-	-	-	-	710	313
OREGON	-	-	-	-	14	5	34	15
CALIFORNIA	-	-	-	-	-	-	2	3
TOTAL	-	-	-	-	14	5	1,301	507
HAWAII	-	-	-	-	(1)	(1)	(1)	(1)
GRAND TOTAL	8,579	2,974	25,071	1,713	14	5	49,572	12,049

1/ LESS THAN 500 POUNDS OR $500.

SUMMARY OF CLAM CATCH BY GEAR, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

GEAR	COCKLE		HARD		OCEAN QUAHOG		RAZOR	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
DREDGES	-	-	3,963	1,904	186	19	-	-
TONGS	-	-	5,225	2,420	-	-	-	-
RAKES	-	-	4,085	2,054	-	-	6	1
HOES	-	-	141	84	-	-	78	20
FORKS	-	-	2	1	-	-	-	-
SHOVELS	21	11	442	188	-	-	740	275
BY HAND	-	-	1,019	380	-	-	-	-
TOTAL	21	11	14,877	7,031	186	19	824	296

GEAR	SOFT		SURF		MIXED		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
DREDGES	5,571	1,595	25,071	1,713	-	-	34,791	5,231
TONGS	-	-	-	-	-	-	5,225	2,420
RAKES	210	93	-	-	-	-	4,301	2,148
HOES	2,766	1,273	-	-	-	-	2,985	1,377
FORKS	-	-	-	-	-	-	2	1
SHOVELS	-	-	-	-	14	5	1,217	479
BY HAND	32	13	-	-	-	-	1,051	393
TOTAL	8,579	2,974	25,071	1,713	14	5	49,572	12,049

UNITED STATES CRAB FISHERY

The 1960 catch of crabs in the United States amounted to a record 222 million pounds valued at over $17 million to the fishermen. Compared with the 1959 catch, this represented an increase of 47 million pounds or 27 percent in volume and $2.3 million or 15 percent in value.

The Chesapeake States (70.7 million pounds) led all areas in volume accounting for 32 percent of the catch and 27 percent of the value. The Pacific Coast led in value with a landed weight of 65 million pounds valued at $7.6 million--45 percent of the total value.

Pacific Coast Dungeness crab landings remained at about the same level as in the previous year. Alaska king crab landings increased from 19 million pounds in 1959 to 29 million pounds in 1960. The catch of hard blue crabs (150 million pounds) was 37 million pounds larger than in 1959.

In Section 13 of this Digest, under the heading "Conversion Factors", is a table which gives the average number of crabs per pound by species for each of the Atlantic and Gulf States. Supplementary shellfish tables are shown after the summary tables for each Atlantic and Gulf regional section.

SUMMARY OF CRAB CATCH, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	BLUE				DUNGENESS	
	HARD		SOFT AND PEELER			
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND, CONNECTICUT . .	3	1	-	-	-	-
MIDDLE ATLANTIC:						
NEW YORK	1	(1)	-	-	-	-
NEW JERSEY	1,533	175	17	3	-	-
DELAWARE	2,109	220	40	11	-	-
TOTAL.	3,643	395	57	14	-	-
CHESAPEAKE:						
MARYLAND	27,068	1,541	2,788	611	-	-
VIRGINIA	39,270	1,994	1,590	450	-	-
TOTAL.	66,338	3,535	4,378	1,061	-	-
SOUTH ATLANTIC:						
NORTH CAROLINA	14,937	716	91	32	-	-
SOUTH CAROLINA	7,121	534	-	-	-	-
GEORGIA.	15,766	517	-	-	-	-
FLORIDA, EAST COAST. . . .	6,962	348	(1)	(1)	-	-
TOTAL.	44,786	2,115	91	32	-	-
GULF:						
FLORIDA, WEST COAST. . . .	18,648	895	4	2	-	-
ALABAMA.	499	26	-	-	-	-
MISSISSIPPI.	2,812	169	5	1	-	-
LOUISIANA.	10,050	497	514	256	-	-
TEXAS.	2,867	177	2	(1)	-	-
TOTAL.	34,876	1,764	525	259	-	-
PACIFIC COAST:						
ALASKA	-	-	-	-	4,733	379
WASHINGTON	-	-	-	-	7,251	1,081
OREGON	-	-	-	-	9,297	1,356
CALIFORNIA	-	-	-	-	14,876	2,517
TOTAL.	-	-	-	-	36,157	5,333
GRAND TOTAL.	149,646	7,810	5,051	1,366	36,157	5,333

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF CRAB CATCH, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	GREEN		KING		ROCK	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MAINE	-	-	-	-	1,225	54
NEW HAMPSHIRE	-	-	-	-	50	4
MASSACHUSETTS	102	10	-	-	77	5
RHODE ISLAND	6	4	-	-	228	24
TOTAL	108	14	-	-	1,580	87
MIDDLE ATLANTIC, NEW JERSEY	-	-	-	-	12	1
PACIFIC COAST:						
ALASKA	-	-	28,570	2,286	-	-
CALIFORNIA	-	-	-	-	120	9
TOTAL	108	14	28,570	2,286	120	9
GRAND TOTAL	108	14	28,570	2,286	1,712	97

AREA AND STATE	STONE		OTHER		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MAINE	-	-	-	-	1,225	54
NEW HAMPSHIRE	-	-	-	-	50	4
MASSACHUSETTS	-	-	-	-	179	15
RHODE ISLAND	-	-	-	-	234	28
CONNECTICUT	-	-	-	-	3	1
TOTAL	-	-	-	-	1,691	102
MIDDLE ATLANTIC:						
NEW YORK	-	--	-	-	1	(1)
NEW JERSEY	-	-	-	-	1,562	179
DELAWARE	-	-	-	-	2,149	231
TOTAL	-	-	-	-	3,712	410
CHESAPEAKE:						
MARYLAND	-	-	-	-	29,856	2,152
VIRGINIA	-	-	-	-	40,860	2,444
TOTAL	-	-	-	-	70,716	4,596
SOUTH ATLANTIC:						
NORTH CAROLINA	-	-	-	-	15,028	748
SOUTH CAROLINA	-	-	-	-	7,121	534
GEORGIA	-	-	-	-	15,766	517
FLORIDA, EAST COAST	50	16	-	-	7,012	364
TOTAL	50	16	-	-	44,927	2,163
GULF:						
FLORIDA, WEST COAST	366	134	-	-	19,018	1,031
ALABAMA	-	-	-	-	499	26
MISSISSIPPI	-	-	-	-	2,817	170
LOUISIANA	-	-	-	-	10,564	753
TEXAS	1	1	-	-	2,870	178
TOTAL	367	135	-	-	35,768	2,158
PACIFIC COAST:						
ALASKA	-	-	-	-	33,303	2,665
WASHINGTON	-	-	-	-	7,251	1,081
OREGON	-	-	-	-	9,297	1,356
CALIFORNIA	-	-	-	-	14,996	2,526
TOTAL	-	-	-	-	64,847	7,628
HAWAII	-	-	20	11	20	11
GRAND TOTAL	417	151	20	11	221,681	17,068

1/ LESS THAN 500 POUNDS OR $500.

SUMMARY OF CRAB CATCH BY GEAR, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

GEAR	BLUE				DUNGENESS	
	HARD		SOFT AND PEELER			
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
OTTER TRAWLS	9,710	350	82	29	54	11
WEIRS	2	(1)	-	-	-	-
POUND NETS	119	6	789	210	-	-
POTS	94,719	4,935	888	240	36,103	5,322
LINES, TROT WITH BAITS	30,411	1,649	187	58	-	-
DIP NETS	2,722	133	343	150	-	-
SCRAPES	184	10	2,524	567	-	-
DREDGES	11,779	727	-	-	-	-
BRUSH TRAPS	-	-	200	100	-	-
BY HAND	-	-	38	12	-	-
TOTAL	149,646	7,810	5,051	1,366	36,157	5,333

GEAR	GREEN		KING		ROCK	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
OTTER TRAWLS	-	-	813	65	13	1
POTS	108	14	27,757	2,221	1,699	96
TOTAL	108	14	28,570	2,286	1,712	97

GEAR	STONE		UNCLASSIFIED		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
OTTER TRAWLS	-	-	-	-	10,672	456
WEIRS	-	-	-	-	2	(1)
POUND NETS	-	-	-	-	908	216
POTS	413	150	-	-	161,687	12,978
LINES, TROT WITH BAITS	-	-	-	-	30,598	1,707
DIP NETS	-	-	-	-	3,065	283
SCRAPES	-	-	-	-	2,708	577
DREDGES	-	-	-	-	11,779	727
BRUSH TRAPS	-	-	-	-	200	100
HOOKS	4	1	-	-	4	1
BY HAND	-	-	-	-	38	12
UNCLASSIFIED	-	-	20	11	20	11
TOTAL	417	151	20	11	221,681	17,068

1/ LESS THAN $500.

KING CRAB

UNITED STATES OYSTER FISHERY

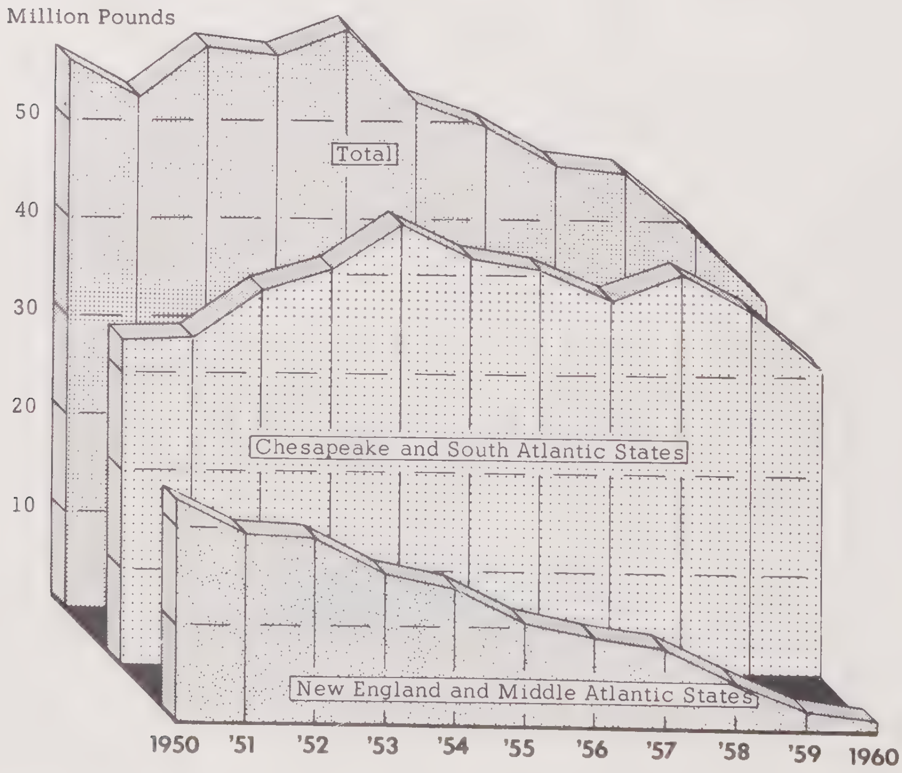
The 1960 United States oyster catch amounted to 60 million pounds of meats valued at $29.2 million. This was a decrease of 4.7 million pounds or 7 percent in volume and $241,000 or about 1 percent in value. Increases occurred in the South Atlantic and Gulf catch in 1960, but all other areas were down. The production along the Atlantic Coast fell to an alltime low of only 33 million pounds of meats.

Despite a falling off in production, the Chesapeake Bay area led all other areas, accounting for 27 million pounds or 45 percent of the 1960 catch. The Gulf States were in second place with 16 million pounds or 27 percent. The Pacific area accounted for 18 percent with the remaining 10 percent from the New England, Middle Atlantic, and South Atlantic States.

Dredges accounted for 38 million pounds of meats or 63 percent of the total oyster catch, while tongs (18.8 million pounds) accounted for 31 percent. The remainder of the catch was taken with rakes, grabs, forks, or gathered by hand.

In Section 13 of this Digest is a table which gives the volume of the bushel measures used for oysters in the various Atlantic and Gulf States and the average yield per bushel. Supplementary shellfish tables appear after the summary tables for each Atlantic and Gulf regional section.

ATLANTIC COAST PRODUCTION OF OYSTER MEATS, 1950 - 1960



SUMMARY OF OYSTER CATCH, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	DREDGES		TONGS		GRABS		RAKES	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:								
MAINE.	3	1	-	-	-	-	-	-
MASSACHUSETTS.	74	111	29	30	-	-	1	1
RHODE ISLAND	-	-	25	23	-	-	-	-
CONNECTICUT.	358	446	3	2	-	-	-	-
TOTAL.	435	558	57	55	-	-	1	1
MIDDLE ATLANTIC:								
NEW YORK	810	905	-	-	-	-	-	-
NEW JERSEY	121	115	43	43	-	-	-	-
DELAWARE	117	78	60	41	-	-	-	-
TOTAL.	1,048	1,098	103	84	-	-	-	-
CHESAPEAKE:								
MARYLAND	2,821	2,166	8,950	6,260	-	-	-	-
VIRGINIA	10,891	7,713	4,380	3,123	-	-	14	10
TOTAL.	13,712	9,879	13,330	9,383	-	-	14	10
SOUTH ATLANTIC:								
NORTH CAROLINA	664	359	180	71	-	-	-	-
SOUTH CAROLINA	-	-	-	-	1,571	550	-	-
GEORGIA.	-	-	-	-	116	30	-	-
FLORIDA, EAST COAST. . .	-	-	(1)	(1)	-	-	-	-
TOTAL.	664	359	180	71	1,687	580	-	-
GULF:								
FLORIDA, WEST COAST. . .	-	-	1,918	480	-	-	-	-
ALABAMA.	-	-	1,169	317	-	-	-	-
MISSISSIPPI.	1,087	242	1,304	293	-	-	-	-
LOUISIANA.	8,020	2,197	283	104	-	-	-	-
TEXAS.	2,049	595	229	55	-	-	-	-
TOTAL.	11,156	3,034	4,903	1,249	-	-	-	-
PACIFIC:								
WASHINGTON:								
PACIFIC.	9,206	1,795	-	-	-	-	-	-
WESTERN.	45	94	-	-	-	-	-	-
TOTAL.	9,251	1,889	-	-	-	-	-	-
OREGON, PACIFIC.	494	99	-	-	-	-	-	-
CALIFORNIA:								
EASTERN.	-	-	(1)	1	-	-	-	-
PACIFIC.	1,076	226	207	62	-	-	-	-
TOTAL PACIFIC STATES	10,821	2,214	207	63	-	-	-	-
GRAND TOTAL.	37,836	17,142	18,780	10,905	1,687	580	15	11

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF OYSTER CATCH, 1960 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	FORKS		BY HAND		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MAINE	-	-	-	-	3	1
MASSACHUSETTS	7	10	-	-	111	152
RHODE ISLAND	-	-	-	-	25	23
CONNECTICUT	-	-	-	-	361	448
TOTAL	7	10	-	-	500	624
MIDDLE ATLANTIC:						
NEW YORK	-	-	-	-	810	905
NEW JERSEY	-	-	3	3	167	161
DELAWARE	-	-	-	-	177	119
TOTAL	-	-	3	3	1,154	1,185
CHESAPEAKE:						
MARYLAND	-	-	-	-	11,771	8,426
VIRGINIA	-	-	55	38	15,340	10,884
TOTAL	-	-	55	38	27,111	19,310
SOUTH ATLANTIC:						
NORTH CAROLINA	-	-	372	130	1,216	560
SOUTH CAROLINA	-	-	1,056	370	2,627	920
GEORGIA	-	-	116	29	232	59
FLORIDA, EAST COAST	-	-	44	13	44	13
TOTAL	-	-	1,588	542	4,119	1,552
GULF:						
FLORIDA, WEST COAST	-	-	13	3	1,931	483
ALABAMA	-	-	-	-	1,169	317
MISSISSIPPI	-	-	-	-	2,391	535
LOUISIANA	-	-	8	3	8,311	2,304
TEXAS	-	-	18	5	2,296	655
TOTAL	-	-	39	11	16,098	4,294
PACIFIC:						
WASHINGTON:						
PACIFIC	-	-	-	-	9,206	1,795
WESTERN	-	-	-	-	45	94
TOTAL	-	-	-	-	9,251	1,889
OREGON, PACIFIC	-	-	-	-	494	99
CALIFORNIA:						
EASTERN	-	-	-	-	(1)	1
PACIFIC	-	-	-	-	1,283	288
TOTAL	-	-	-	-	1,283	289
TOTAL PACIFIC STATES	-	-	-	-	11,028	2,277
GRAND TOTAL	7	10	1,685	594	60,010	29,242

1/ LESS THAN 500 POUNDS OR $500.

NOTE:--THE CATCH BY HAND IN WASHINGTON AND OREGON HAS BEEN INCLUDED WITH DREDGES, AND IN CALIFORNIA HAS BEEN INCLUDED WITH TONGS.

SUMMARY OF ATLANTIC AND GULF COAST OYSTER CATCH, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	PUBLIC		PRIVATE	
	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:				
MAINE	3	(1)	-	-
MASSACHUSETTS	27	25	84	128
RHODE ISLAND	25	23	-	-
CONNECTICUT	3	2	358	446
TOTAL	58	50	442	574
MIDDLE ATLANTIC:				
NEW YORK	-	-	810	905
NEW JERSEY	23	23	144	138
DELAWARE	15	10	162	109
TOTAL	38	33	1,116	1,152
CHESAPEAKE:				
MARYLAND	10,104	7,145	1,667	1,281
VIRGINIA	3,996	2,842	11,344	8,042
TOTAL	14,100	9,987	13,011	9,323
SOUTH ATLANTIC:				
NORTH CAROLINA	1,117	525	99	35
SOUTH CAROLINA	-	-	2,627	920
GEORGIA	-	-	232	59
FLORIDA, EAST COAST	19	6	25	7
TOTAL	1,136	531	2,983	1,021
GULF:				
FLORIDA, WEST COAST	1,508	377	423	106
ALABAMA	1,169	317	-	-
MISSISSIPPI	2,181	489	210	46
LOUISIANA	583	164	7,728	2,140
TEXAS	2,232	634	64	21
TOTAL	7,673	1,981	8,425	2,313
GRAND TOTAL	23,005	12,582	25,977	14,383

1/ LESS THAN $500.

SUMMARY OF OYSTER CATCH BY SPECIES, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	QUANTITY	VALUE
EASTERN:		
PUBLIC	23,005	12,582
PRIVATE 1/	25,977	14,384
TOTAL	48,982	26,966
PACIFIC	10,983	2,182
WESTERN	45	94
TOTAL	60,010	29,242

1/ EASTERN, PRIVATE, INCLUDES 300 POUNDS OF OYSTERS, VALUED AT $691 HARVESTED IN CALIFORNIA.

UNITED STATES SHRIMP FISHERY

The 1960 catch of shrimp in the United States totaled 249.5 million pounds valued at $66.9 million. This was an increase of 9.3 million pounds or 4 percent in volume and $8.8 million or 15 percent in value. Landings in the South Atlantic area increased by 20 percent and in the Gulf States by 6 percent. On the Pacific Coast, landings were down from 20.7 million pounds in 1959 to 12.4 million pounds.

The otter trawl fleet accounted for 243.8 million pounds or 98 percent of the total catch. An additional 5.4 million pounds were taken by beam trawls. Bag nets, pots and traps, push nets, and cast nets accounted for the remainder.

There is included in this Section a detailed summary of the operating units engaged in the United States shrimp otter trawl fishery. The data include information on the fishermen employed and on the number of vessels operated in each State and region. There is a breakdown by tonnage classification. In 1960, there were 15,496 fishermen employed on 7,708 fishing craft which operated in the United States shrimp otter trawl fishery.

SUMMARY OF SHRIMP OTTER TRAWL VESSELS, BY TONNAGE GROUPS, 1960

GROSS TONNAGE	SOUTH ATLANTIC				
	NORTH CAROLINA	SOUTH CAROLINA	GEORGIA	FLORIDA, EAST COAST	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9.	144	23	32	13	197
10 - 19.	79	87	80	63	263
20 - 29.	40	41	66	59	150
30 - 39.	53	59	66	118	202
40 - 49.	47	47	39	93	161
50 - 59.	18	12	13	37	55
60 - 69.	3	4	9	36	45
70 - 79.	3	-	-	8	10
90 - 99.	1	-	1	1	3
100 - 109.	-	-	1	1	1
120 - 129.	1	-	-	1	2
140 - 149.	-	-	-	1	1
TOTAL VESSELS.	389	273	307	431	1,090
TOTAL GROSS TONNAGE. . .	8,533	7,368	8,433	16,020	30,103

GROSS TONNAGE	GULF					
	FLORIDA, WEST COAST	ALABAMA	MISSISSIPPI	LOUISIANA	TEXAS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9.	18	12	12	76	14	118
10 - 19.	52	66	99	238	105	472
20 - 29.	52	34	133	188	118	390
30 - 39.	157	38	92	179	224	446
40 - 49.	171	36	51	201	265	447
50 - 59.	85	19	25	135	211	294
60 - 69.	276	11	8	143	388	544
70 - 79.	47	6	8	54	147	165
80 - 89.	7	-	1	13	26	31
90 - 99.	3	-	1	3	12	13

(CONTINUED ON NEXT PAGE)

SUMMARY OF SHRIMP OTTER TRAWL VESSELS, BY TONNAGE GROUPS, 1960 - Continued

GROSS TONNAGE	GULF					
	FLORIDA, WEST COAST	ALABAMA	MISSISSIPPI	LOUISIANA	TEXAS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
100 - 109.	-	-	2	-	3	4
110 - 119.	1	-	-	-	2	3
120 - 129.	-	-	2	1	4	7
130 - 139.	-	-	-	-	1	1
140 - 149.	-	-	1	3	-	4
160 - 169.	-	-	-	1	1	2
TOTAL VESSELS.	869	222	435	1,235	1,521.	2,941
TOTAL GROSS TONNAGE. . .	41,959	6,737	13,345	46,133	76,060	121,461

GROSS TONNAGE	SOUTH ATLANTIC AND GULF	PACIFIC				GRAND TOTAL, EXCLUSIVE OF DUPLICATION
	TOTAL, EXCLUSIVE OF DUPLICATION	ALASKA	WASHINGTON	OREGON	TOTAL, EXCLUSIVE OF DUPLICATION	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9.	315	-	-	-	-	315
10 - 19.	728	-	-	1	1	729
20 - 29.	518	1	-	2	2	520
30 - 39.	573	-	6	3	9	582
40 - 49.	526	2	2	3	5	531
50 - 59.	316	-	1	-	1	317
60 - 69.	563	1	-	1	1	564
70 - 79.	173	1	1	1	2	175
80 - 89.	31	-	-	-	-	31
90 - 99.	15	1	-	1	1	16
100 - 109.	5	-	-	-	-	5
110 - 119.	3	-	-	-	-	3
120 - 129.	9	-	-	-	-	9
130 - 139.	1	-	-	-	-	1
140 - 149.	4	-	-	-	-	4
160 - 169.	2	-	-	-	-	2
TOTAL VESSELS.	3,782	6	10	12	22	3,804
TOTAL GROSS TONNAGE. . .	141,488	244	423	528	951	142,439

SUMMARY OF SHRIMP OTTER TRAWL OPERATNG UNITS, 1960

AREA AND STATE	BOAT FISHERY				
	BOATS	FISHERMEN		OTTER TRAWLS	
		REGULAR	CASUAL		
	NUMBER	NUMBER	NUMBER	NUMBER	YARDS AT MOUTH
SOUTH ATLANTIC:					
NORTH CAROLINA	427	715	-	427	6,300
SOUTH CAROLINA	167	264	-	167	2,338
GEORGIA.	195	113	219	195	1,746
FLORIDA, EAST COAST.	25	14	13	25	314
TOTAL, EXCLUSIVE OF DUPLICATION.	814	1,106	232	814	10,698
GULF:					
FLORIDA, WEST COAST.	90	140	6	90	1,159
ALABAMA.	206	346	33	206	2,666
MISSISSIPPI.	385	248	215	385	3,680
LOUISIANA.	1,999	2,836	306	2,015	23,689
TEXAS.	421	570	87	421	4,986
TOTAL, EXCLUSIVE OF DUPLICATION.	3,089	4,116	647	3,105	36,020
SOUTH ATLANTIC AND GULF, TOTAL, EXCLUSIVE OF DUPLICATION	3,903	5,222	879	3,919	46,718
PACIFIC, TOTAL, EXCLUSIVE OF DUPLICATION.	1	2	-	1	15
GRAND TOTAL, EXCLUSIVE OF DUPLICATION	3,904	5,224	879	3,920	46,733

(CONTINUED ON NEXT PAGE)

SUMMARY OF SHRIMP OTTER TRAWL OPERATING UNITS, 1960 - Continued

AREA AND STATE	VESSEL FISHERY				
	VESSELS		FISHERMEN	OTTER TRAWLS	
	NUMBER	GROSS TONNAGE	NUMBER	NUMBER	YARDS AT MOUTH
SOUTH ATLANTIC:					
NORTH CAROLINA	389	8,533	860	500	9,482
SOUTH CAROLINA	273	7,368	555	414	7,603
GEORGIA	307	8,433	621	436	7,223
FLORIDA, EAST COAST	431	16,020	955	641	11,846
TOTAL, EXCLUSIVE OF DUPLICATION	1,090	30,103	2,329	1,492	27,336
GULF:					
FLORIDA, WEST COAST	869	41,959	2,119	1,649	25,448
ALABAMA	222	6,737	564	346	5,464
MISSISSIPPI	435	13,345	1,106	644	10,137
LOUISIANA	1,235	46,133	3,432	2,120	34,316
TEXAS	1,521	76,060	4,142	2,965	46,005
TOTAL, EXCLUSIVE OF DUPLICATION	2,941	121,461	7,849	5,156	82,108
SOUTH ATLANTIC AND GULF, TOTAL, EXCLUSIVE OF DUPLICATION	3,782	141,488	9,321	6,284	101,860
PACIFIC:					
ALASKA	6	326	20	6	142
WASHINGTON	10	423	33	10	190
OREGON	12	528	36	12	219
TOTAL, EXCLUSIVE OF DUPLICATION	22	951	72	22	409
GRAND TOTAL, EXCLUSIVE OF DUPLICATION	3,804	142,439	9,393	6,306	102,269

AREA AND STATE	TOTAL (BOAT AND VESSEL FISHERY)			
	BOATS AND VESSELS	FISHERMEN	OTTER TRAWLS	
	NUMBER	NUMBER	NUMBER	YARDS AT MOUTH
SOUTH ATLANTIC:				
NORTH CAROLINA	816	1,575	927	15,782
SOUTH CAROLINA	440	819	581	9,941
GEORGIA	502	953	631	8,969
FLORIDA, EAST COAST	456	982	666	12,160
TOTAL, EXCLUSIVE OF DUPLICATION	1,904	3,667	2,306	38,034
GULF:				
FLORIDA, WEST COAST	959	2,265	1,739	26,607
ALABAMA	428	943	552	8,130
MISSISSIPPI	820	1,569	1,029	13,817
LOUISIANA	3,234	6,574	4,135	58,005
TEXAS	1,942	4,799	3,336	50,991
TOTAL, EXCLUSIVE OF DUPLICATION	6,030	12,612	8,261	118,128
SOUTH ATLANTIC AND GULF TOTAL, EXCLUSIVE OF DUPLICATION	7,685	15,422	10,203	148,578
PACIFIC:				
ALASKA	6	20	6	142
WASHINGTON	10	33	10	190
OREGON	13	38	13	234
TOTAL, EXCLUSIVE OF DUPLICATION	23	74	23	424
GRAND TOTAL, EXCLUSIVE OF DUPLICATION	7,708	15,496	10,226	149,002

SUMMARY OF SHRIMP CATCH, 1960

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	BAG NETS		BEAM TRAWLS		OTTER TRAWLS	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MAINE	-	-	-	-	2/89	2/20
MASSACHUSETTS	-	-	-	-	2/1	2/(3)
TOTAL	-	-	-	-	2/90	2/20
MIDDLE ATLANTIC, NEW JERSEY, TOTAL	-	-	4	4	-	-
SOUTH ATLANTIC:						
NORTH CAROLINA	100	22	-	-	5,888	1,585
SOUTH CAROLINA	-	-	-	-	7,905	2,135
GEORGIA	-	-	-	-	10,397	2,573
FLORIDA, EAST COAST	-	-	-	-	6,775	2,158
TOTAL	100	22	-	-	30,965	8,451
GULF:						
FLORIDA, WEST COAST	-	-	-	-	44,464	12,155
ALABAMA	-	-	-	-	7,169	2,090
MISSISSIPPI	-	-	-	-	11,031	2,899
LOUISIANA	-	-	-	-	61,756	15,880
TEXAS	-	-	-	-	81,303	24,606
TOTAL	-	-	-	-	205,723	57,630
PACIFIC:						
ALASKA	-	-	3,343	133	4,090	164
WASHINGTON	-	-	6	2	1,781	150
OREGON	-	-	-	-	1,149	101
CALIFORNIA	-	-	2,028	204	-	-
TOTAL	-	-	5,377	339	7,020	415
GRAND TOTAL	100	22	5,381	343	243,798	66,516

AREA AND STATE	POTS AND TRAPS 1/		PUSH NETS		CAST NETS		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:								
MAINE	-	-	-	-	-	-	2/89	2/20
MASSACHUSETTS	-	-	-	-	-	-	2/1	2/(3)
TOTAL	-	-	-	-	-	-	2/90	2/20
MIDDLE ATLANTIC, NEW JERSEY, TOTAL	-	-	1	1	-	-	5	5
SOUTH ATLANTIC:								
NORTH CAROLINA	-	-	-	-	-	-	5,988	1,607
SOUTH CAROLINA	-	-	-	-	125	32	8,030	2,167
GEORGIA	-	-	-	-	6	2	10,403	2,575
FLORIDA, EAST COAST	-	-	-	-	18	5	6,793	2,163
TOTAL	-	-	-	-	149	39	31,214	8,512
GULF:								
FLORIDA, WEST COAST	-	-	-	-	-	-	44,464	12,155
ALABAMA	-	-	-	-	-	-	7,169	2,090
MISSISSIPPI	-	-	-	-	-	-	11,031	2,899
LOUISIANA	2	1	-	-	-	-	61,758	15,881
TEXAS	-	-	-	-	-	-	81,303	24,606
TOTAL	2	1	-	-	-	-	205,725	57,631
PACIFIC:								
ALASKA	3	(3)	-	-	-	-	7,436	297
WASHINGTON	18	10	-	-	-	-	1,805	162
OREGON	-	-	-	-	-	-	1,149	101
CALIFORNIA	-	-	-	-	-	-	2,028	204
TOTAL	21	10	-	-	-	-	12,418	764
GRAND TOTAL	23	11	1	1	149	39	249,452	66,932

1/ INCLUDES THE CATCH BY BRUSH TRAPS IN LOUISIANA.

2/ CATCH TAKEN BY FISH OTTER TRAWLS.

3/ LESS THAN $500.

UNITED STATES FISH OTTER TRAWL FLEET

There are included in this Section summaries of the United States fish otter trawl fleet. They contain detailed information on the operating units engaged in this fishery and a breakdown of vessels by area, State, and gross tonnage. In 1960, 1,318 vessels of over 5 net tons and 145 motor boats were engaged in the fish otter trawl fleet. These fishing craft employed a total of 5,699 fishermen and operated 1,534 otter trawls. In some instances, two trawls were fished by a single vessel.

SUMMARY OF FISH OTTER TRAWL VESSELS, BY TONNAGE GROUPS, 1960

GROSS TONNAGE	NEW ENGLAND				
	MAINE	MASSACHUSETTS	RHODE ISLAND	CONNECTICUT	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9	1	3	2	3	8
10 - 19	19	44	19	4	82
20 - 29	14	50	23	6	82
30 - 39	9	65	17	14	83
40 - 49	7	51	13	3	59
50 - 59	11	35	7	2	44
60 - 69	6	32	2	1	36
70 - 79	8	30	2	-	34
80 - 89	-	16	1	-	16
90 - 99	1	7	-	-	8
100 - 109	1	10	-	-	11
110 - 119	2	17	-	-	19
120 - 129	1	8	-	-	9
130 - 139	1	9	-	-	10
140 - 149	1	4	-	-	5
150 - 159	2	7	-	-	9
160 - 169	4	6	-	-	9
170 - 179	2	3	-	-	5
180 - 189	-	2	-	-	2
190 - 199	2	5	-	-	6
200 - 209	-	1	-	-	1
210 - 219	-	3	-	-	3
220 - 229	-	3	-	-	3
230 - 239	-	1	-	-	1
240 - 249	-	3	-	-	3
250 - 259	-	3	-	-	3
260 - 269	1	2	-	-	2
290 - 299	-	2	-	-	2
300 - 309	2	-	-	-	2
310 - 319	2	-	-	-	2
320 - 329	2	-	-	-	2
370 - 379	1	-	-	-	1
TOTAL VESSELS	100	422	86	33	562
TOTAL GROSS TONNAGE	7,884	28,664	2,732	1,003	36,471

GROSS TONNAGE	MIDDLE ATLANTIC				CHESAPEAKE		
	NEW YORK	NEW JERSEY	DELAWARE	TOTAL, EXCLUSIVE OF DUPLICATION	MARYLAND	VIRGINIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9	4	17	-	21	-	2	2
10 - 19	36	39	3	76	12	17	27
20 - 29	33	33	1	64	4	9	13

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SUMMARY OF FISH OTTER TRAWL VESSELS, BY TONNAGE GROUPS, 1960 - Continued

GROSS TONNAGE	MIDDLE ATLANTIC				CHESAPEAKE		
	NEW YORK	NEW JERSEY	DELAWARE	TOTAL, EXCLUSIVE OF DUPLICATION	MARYLAND	VIRGINIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
30 - 39	17	17	2	36	5	10	13
40 - 49	5	22	-	26	5	14	17
50 - 59	7	19	-	24	1	15	15
60 - 69	4	17	-	17	2	5	6
70 - 79	10	16	-	20	2	11	12
80 - 89	3	3	-	6	-	-	-
90 - 99	1	1	-	2	-	1	1
100 - 109	2	2	-	3	-	3	3
110 - 119	5	5	-	7	-	4	4
120 - 129	3	-	-	3	-	1	1
130 - 139	2	-	-	2	-	2	2
140 - 149	1	1	-	2	-	1	1
150 - 159	-	1	-	1	-	1	1
160 - 169	1	-	-	1	-	-	-
170 - 179	1	-	-	1	-	-	-
180 - 189	-	-	-	-	-	1	1
190 - 199	-	2	-	2	-	1	1
210 - 219	-	-	-	-	-	1	1
TOTAL VESSELS	135	195	6	314	31	99	121
TOTAL GROSS TONNAGE . .	5,804	8,207	143	12,722	1,014	5,537	6,177

GROSS TONNAGE	SOUTH ATLANTIC		GULF			
	NORTH CAROLINA	TOTAL, EXCLUSIVE OF DUPLICATION	FLORIDA, WEST COAST	MISSISSIPPI	LOUISIANA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9	6	6	-	-	-	-
10 - 19	8	8	4	7	2	13
20 - 29	13	13	1	19	17	37
30 - 39	13	13	4	20	16	38
40 - 49	16	16	-	7	22	28
50 - 59	9	9	2	5	9	16
60 - 69	2	2	-	2	2	4
70 - 79	2	2	1	1	2	4
90 - 99	1	1	-	-	-	-
100 - 109	-	-	-	1	-	1
110 - 119	-	-	-	1	-	1
120 - 129	1	1	-	1	-	1
140 - 149	-	-	1	-	1	2
150 - 159	-	-	-	1	-	1
TOTAL VESSELS	71	71	13	65	71	146
TOTAL GROSS TONNAGE . .	2,618	2,618	533	2,538	2,910	5,863

GROSS TONNAGE	PACIFIC			
	WASHINGTON	OREGON	CALIFORNIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9	2	-	-	2
10 - 19	11	2	11	23
20 - 29	8	7	14	29
30 - 39	19	10	13	40
40 - 49	29	12	10	50
50 - 59	19	7	7	33
60 - 69	12	5	2	17
70 - 79	11	1	3	14
80 - 89	9	3	4	14
90 - 99	5	2	2	8

(CONTINUED ON NEXT PAGE)

SUMMARY OF FISH OTTER TRAWL VESSELS, BY TONNAGE GROUPS, 1960 - Continued

GROSS TONNAGE	PACIFIC			
	WASHINGTON	OREGON	CALIFORNIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER
100 - 109	2	1	1	3
110 - 119	-	-	1	1
190 - 199	-	-	1	1
370 - 379	-	-	1	1
TOTAL VESSELS	127	50	70	236
TOTAL GROSS TONNAGE . .	6,426	2,376	3,411	11,516

GROSS TONNAGE	GREAT LAKES					GRAND TOTAL, EXCLUSIVE OF DUPLICATION
	OHIO	MICHIGAN	INDIANA	WISCONSIN	TOTAL, EXCLUSIVE OF DUPLICATION	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9	-	1	-	-	1	38
10 - 19	3	-	-	3	6	232
20 - 29	-	-	-	4	4	231
30 - 39	-	1	-	1	2	201
40 - 49	-	3	-	3	6	183
50 - 59	-	-	-	-	-	118
60 - 69	-	-	-	-	-	66
70 - 79	-	1	1	1	1	65
80 - 89	-	-	-	-	-	34
90 - 99	-	-	-	-	-	17
100 - 109	-	-	-	-	-	16
110 - 119	-	-	-	-	-	26
120 - 129	-	-	-	-	-	11
130 - 139	-	-	-	-	-	10
140 - 149	-	-	-	-	-	8
150 - 159	-	-	-	-	-	11
160 - 169	-	-	-	-	-	10
170 - 179	-	-	-	-	-	5
180 - 189	-	-	-	-	-	3
190 - 199	-	-	-	-	-	7
200 - 209	-	-	-	-	-	1
210 - 219	-	-	-	-	-	3
220 - 229	-	-	-	-	-	3
230 - 239	-	-	-	-	-	1
240 - 249	-	-	-	-	-	3
250 - 259	-	-	-	-	-	3
260 - 269	-	-	-	-	-	2
290 - 299	-	-	-	-	-	2
300 - 309	-	-	-	-	-	2
310 - 319	-	-	-	-	-	2
320 - 329	-	-	-	-	-	2
370 - 379	-	-	-	-	-	2
TOTAL VESSELS	3	6	1	12	20	1,318
TOTAL GROSS TONNAGE . .	38	242	79	373	574	65,786

SUMMARY OF FISH OTTER TRAWL OPERATING UNITS, 1960

AREA AND STATE	BOAT FISHERY				
	BOATS	FISHERMEN		OTTER TRAWLS	
		REGULAR	CASUAL		
	NUMBER	NUMBER	NUMBER	NUMBER	YARDS AT MOUTH
NEW ENGLAND:					
MAINE	38	42	27	38	711
MASSACHUSETTS	7	12	-	7	114
RHODE ISLAND	13	15	9	13	232
CONNECTICUT	26	5	31	26	370
TOTAL, EXCLUSIVE OF DUPLICATION	84	74	67	84	1,427
MIDDLE ATLANTIC:					
NEW YORK	16	30	-	16	237
NEW JERSEY	14	23	6	14	199
TOTAL, EXCLUSIVE OF DUPLICATION	28	49	6	28	436
CHESAPEAKE:					
MARYLAND	2	4	-	2	50
VIRGINIA	8	12	4	8	29
TOTAL, EXCLUSIVE OF DUPLICATION	10	16	4	10	79
SOUTH ATLANTIC, NORTH CAROLINA	16	32	-	16	256
PACIFIC, CALIFORNIA	3	14	-	3	60
GREAT LAKES, OHIO	1	-	2	1	15
MISSISSIPPI RIVER, WISCONSIN	3	4	4	3	10
GRAND TOTAL, EXCLUSIVE OF DUPLICATION	145	189	83	145	2,283

AREA AND STATE	VESSEL FISHERY				
	VESSELS		FISHERMEN	OTTER TRAWLS	
	NUMBER	GROSS TONNAGE	NUMBER	NUMBER	YARDS AT MOUTH
NEW ENGLAND:					
MAINE	100	7,884	469	100	2,427
MASSACHUSETTS	422	28,664	2,609	422	11,165
RHODE ISLAND	86	2,732	303	86	2,130
CONNECTICUT	33	1,003	95	33	759
TOTAL, EXCLUSIVE OF DUPLICATION	562	36,471	3,142	562	14,522
MIDDLE ATLANTIC:					
NEW YORK	135	5,804	471	135	3,014
NEW JERSEY	195	8,207	681	195	4,606
DELAWARE	6	143	13	6	131
TOTAL, EXCLUSIVE OF DUPLICATION	314	12,722	1,098	314	7,098
CHESAPEAKE:					
MARYLAND	31	1,014	79	31	886
VIRGINIA	99	5,537	371	99	2,664
TOTAL, EXCLUSIVE OF DUPLICATION	121	6,177	422	121	3,283
SOUTH ATLANTIC, NORTH CAROLINA	71	2,618	184	71	1,878
GULF:					
FLORIDA, WEST COAST	13	533	37	20	362
MISSISSIPPI	65	2,538	172	69	1,593
LOUISIANA	71	2,910	207	134	2,250
TOTAL, EXCLUSIVE OF DUPLICATION	146	5,863	408	217	4,106
PACIFIC:					
WASHINGTON	127	6,426	491	127	2,778
OREGON	50	2,376	169	50	1,109
CALIFORNIA	70	3,411	308	70	1,899
TOTAL, EXCLUSIVE OF DUPLICATION	236	11,516	926	236	5,517
GREAT LAKES:					
OHIO	3	38	9	3	60
MICHIGAN	6	242	18	6	140
INDIANA	1	79	3	1	30
WISCONSIN	12	373	36	12	290
TOTAL, EXCLUSIVE OF DUPLICATION	20	574	60	20	460

(CONTINUED ON NEXT PAGE)

SUMMARY OF FISH OTTER TRAWL OPERATING UNITS, 1960 - Continued

AREA AND STATE	VESSEL FISHERY				
	VESSELS		FISHERMEN	OTTER TRAWLS	
	NUMBER	GROSS TONNAGE	NUMBER	NUMBER	YARDS AT MOUTH
GRAND TOTAL, EXCLUSIVE OF DUPLICATION	1,318	65,786	5,427	1,389	32,699

AREA AND STATE	TOTAL (BOAT AND VESSEL FISHERY)			
	BOATS AND VESSELS	FISHERMEN	OTTER TRAWLS	
	NUMBER	NUMBER	NUMBER	YARDS AT MOUTH
NEW ENGLAND:				
MAINE	138	538	138	3,138
MASSACHUSETTS	429	2,621	429	11,279
RHODE ISLAND.	99	327	99	2,362
CONNECTICUT	59	131	59	1,129
TOTAL, EXCLUSIVE OF DUPLICATION. .	646	3,283	646	15,868
MIDDLE ATLANTIC:				
NEW YORK.	151	501	151	3,251
NEW JERSEY.	209	710	209	4,805
DELAWARE.	6	13	6	131
TOTAL, EXCLUSIVE OF DUPLICATION. .	342	1,147	342	7,534
CHESAPEAKE:				
MARYLAND.	33	83	33	936
VIRGINIA.	107	387	107	2,693
TOTAL, EXCLUSIVE OF DUPLICATION. .	131	442	131	3,362
SOUTH ATLANTIC, NORTH CAROLINA.	87	216	87	2,134
GULF:				
FLORIDA, WEST COAST	13	37	20	362
MISSISSIPPI	65	172	69	1,593
LOUISIANA	71	207	134	2,250
TOTAL, EXCLUSIVE OF DUPLICATION. .	146	408	217	4,106
PACIFIC:				
WASHINGTON.	127	491	127	2,778
OREGON.	50	169	50	1,109
CALIFORNIA.	73	322	73	1,959
TOTAL, EXCLUSIVE OF DUPLICATION. .	239	940	239	5,577
GREAT LAKES:				
OHIO.	4	11	4	75
MICHIGAN.	6	18	6	140
INDIANA	1	3	1	30
WISCONSIN	12	36	12	290
TOTAL, EXCLUSIVE OF DUPLICATION. .	21	62	21	475
MISSISSIPPI RIVER, WISCONSIN.	3	8	3	10
GRAND TOTAL, EXCLUSIVE OF DUPLICATION	1,463	5,699	1,534	34,982

SECTION 12

HISTORICAL FISHERY STATISTICS

Statistics of the fisheries of the United States are necessary for the best use of the Nation's aquatic resources. As series of data for extended periods of time are accumulated, the information becomes increasingly more valuable in indicating trends in the supply and utilization of fishery products. The extent to which these data are used is frequently dependent upon the ready availability of needed information to researchers, management officials, and members of the fishing industry.

Periodically, there are published in "Fishery Statistics of the United States" historical data for each State on the catch of important species. The most recent publication of these data was in Statistical Digest No. 43 entitled "Fishery Statistics of the United States, 1956."

The Bureau of Commercial Fisheries has in its files and in various Bureau reports or publications of other organizations a large volume of historical data. These statistics would be of considerable use to researchers and others interested in the fisheries. Unfortunately, few know of these records. To make the series readily available to researchers and others interested in the fisheries, a section entitled "Historical Fishery Statistics" has been published, since 1951, in "Fishery Statistics of the United States." The titles of the series published, and the identifying number of the Digest in which each appears, follow:

Series	Published in Statistical Digest
Menhaden Fishery, 1873 - 1951	No. 30
Oyster Fishery, 1880 - 1952	No. 34
Pacific Sardine Fishery, 1915 - 1953	No. 36
Atlantic Ocean Perch Fishery, 1930 - 1954	No. 39
Pacific Herring Fishery, 1881 - 1955	No. 41
United States Haddock Fishery, 1880 - 1956	No. 43
United States Tuna Fishery, 1911 - 1957	No. 44
United States Atlantic Cod Fishery, 1893 - 1958	No. 49
Fur Seal Industry of the Pribilof Islands, 1786 - 1959	No. 51

The 10th series of historical data containing information on the Eastern Pacific Halibut Fishery is included in the following pages.

EASTERN PACIFIC HALIBUT FISHERY, 1888 - 1960

By F. Heward Bell, Assistant Director
International Pacific Halibut Commission

The Pacific halibut, Hippoglossus stenolepis, is found on the continental shelf in boreal waters from about 3° to 8° C. It is almost indistinguishable from the halibut, H. hippoglossus, of the northeastern and northwestern Atlantic and any differences are probably varietal rather than specific.

Its recorded occurrence in the eastern Pacific extends from Santa Rosa Island, California to Norton Sound in the Bering Sea and in the western Pacific from Hokkaido, Japan to the Gulf of Anadyr. The range of commercial abundance in the eastern Pacific extends from northern California to the Pribilof Islands where it is fished commercially in waters from 20 to 250 fathoms.

The halibut is the largest of the flatfish, ranging on the eastern Pacific to a recorded maximum of 495 pounds with the present average landed size being about 30-35 pounds. The females are faster growing, and no male over 123 pounds has been observed to date. All weights quoted in this text and accompanying tables refer to eviscerated heads-off landed amounts.

From late November to early March, spawning concentrations occur at a number of locations in the eastern Pacific chiefly at depths of about 175 to 225 fathoms. The average age of first maturity is about 12 years for the females and probably 8 years for the males. A large female may produce 2 to 3 million eggs.

The fertilized and developing eggs rise to midwater levels and are transported considerable distances by the ocean currents. After about 6 to 7 months, the postlarvae, having risen into the surface inshore drift, commence their demersal or bottom existence close to shore. The 1- to 3-year-old juveniles tend to remain on inshore grounds, then move offshore where they first enter the commercial longline fishery in significant numbers at about 5 to 7 years of age.

The Pacific fishery began in 1888 off Cape Flattery, Washington, and from its inception has been a joint venture of the fleets of Canada and the United States. By the turn of the century, the annual catch had attained about 10 million pounds. The unregulated fishery expanded rapidly, and in 1915 the catch reached 69 million pounds. Thereafter, in spite of increases in fishing effort and extension of the fishery throughout the entire commercial range of the species, the production declined. In 1931, the catch amounted to only 44 million pounds.

Control of the fishery was advocated by the industry as early as 1915 on the basis of the declines in yields from the longer fished grounds. Subsequent declines from newer grounds led to the signing in 1923 and the ratification in 1924 of a convention by the United States and Canada directed at the outset chiefly to an investigation of the condition of the fishery and the proposal of measures for its rehabilitation by a joint commission now known as the International Pacific Halibut Commission.

Regulations that have been enacted each year since 1932 under the subsequent conventions of 1930, 1937 and 1953 have resulted in a trebling in size of the stocks on the grounds since 1932. The Commission has steadily increased the permitted annual catches and such increased annual catches have been taken with progressively less fishing effort.

Landings by United States and Canadian fleets by sections of the coast are shown in thousands of pounds in Table 1. From time to time, various ports have been dominant centers of landing for the halibut fleets. Shifting from one to another has been occasioned by such basic considerations as the location of the grounds being fished, depletion of nearby grounds and their subsequent controlled rebuilding, changes in the size, structure, and motive power of the fishing vessels, the length of the fishing season, wartime conditions, and many other considerations.

The decade since 1951 has seen a sharp increase in landings in Washington State by both United States and Canadian vessels, a lesser increase in British Columbia with the decline in landings there by United States vessels being more than offset by increased landings by Canadian vessels. Receipts in Alaska have shown a moderate increase due to larger landings by Canadian vessels, while there was little change in United States deliveries.

The trends of the catch, expressed in thousands of pounds, from the different fishing grounds off each section of the coast are observable in Table 2. In general they reflect the early geographical expansion and intensification of the fishery, the subsequent declines from each section under uncontrolled fishing, and the increases under regulation after the early 1930's. All grounds are now substantially producing their present sustainable yields, and none is far removed from its maximum sustainable level, which for the coast as a whole is probably in the vicinity of about 75 million pounds annually.

Paralleling the conditions that have developed in the unregulated northeastern Atlantic halibut fishery, the Pacific Coast catch without control would now probably be about 25-30 million pounds annually. It would consist as in Europe of a high proportion of juvenile fish under 5 pounds caught chiefly by trawl net gear at a relatively low level of return per unit effort. The annual catch in Europe is currently about 25 million pounds. In contrast the permitted catches in the eastern Pacific are now about 72 million pounds annually consisting of individuals chiefly from 6 to 25 years of age and weighing from 5 to over 200 pounds.

Effective control of the halibut catch in Europe is now probably not practicable due to the preponderance of other and more important demersal species in the trawl catches. In the eastern Pacific fishery, halibut is caught by hook and line gear exclusively, all net gear being prohibited.

Lack of control in the Pacific fishery would probably have entailed a cumulative loss in production of halibut amounting to over 1/2 billion pounds over the 29 years since regulation began and worth at least $99 million to the fishermen at the various dock prices that have prevailed during the period. At the consumer level, the dollar value of this large gain would be nearly trebled.

In addition, the reduction in fishing effort required to take the large catches each year has permitted the men and vessels to contribute further to the economy by engaging in other productive enterprises during the time saved from halibut fishing.

In attaining these results, the two Governments have jointly appropriated to the Commission less than $2.5 million during the past 29 years. This modest investment thus has already been returned many times over to the people and to the economies of the two countries. It reaffirms the wisdom and foresight manifested 37 years ago by Canada and the United States when first contracting for the joint scientific management of the Pacific halibut fishery.

UNITED STATES AND CANADIAN HALIBUT CATCH, 1915 - 1960

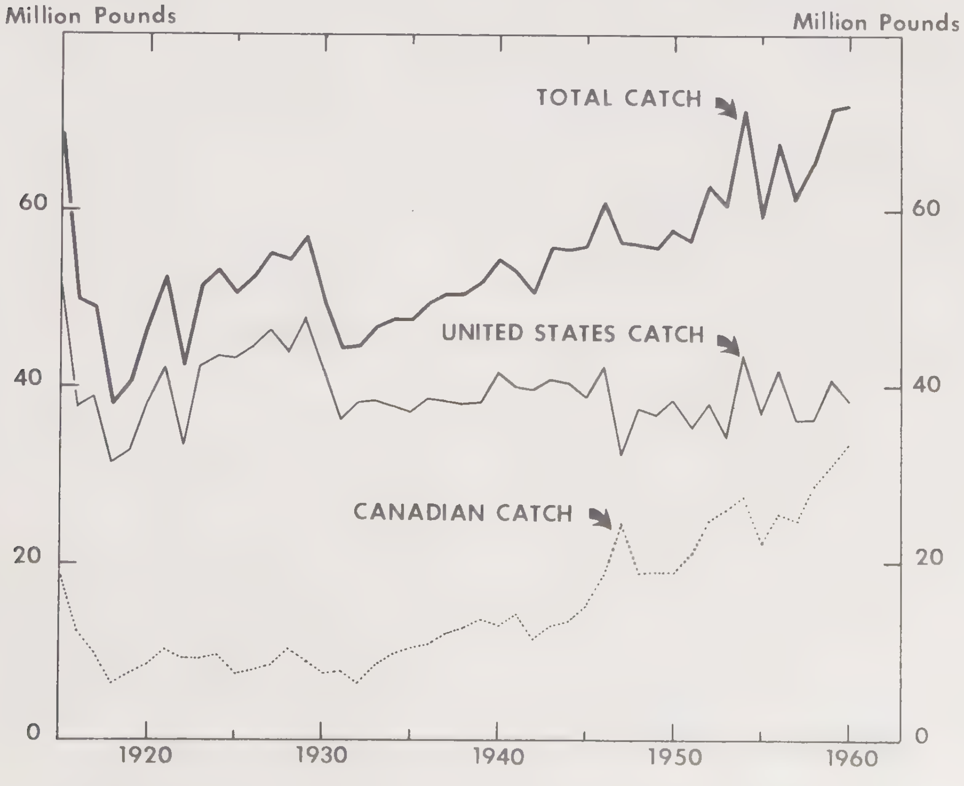


TABLE 1. -- UNITED STATES AND CANADIAN HALIBUT LANDINGS, 1888 — 1960 1/

(Thousands of Pounds)

Year	Calif. and Oregon	Washington			British Columbia			Alaska			Pacific Coast		
	U.S.	U.S.	Can.	Total	U.S.	Can.	Total	U.S.	Can.	Total	U.S.	Can.	Total
1888	(2)	(3)	-	(3)	-	246	246	(3)	-	(3)	1,220	246	1,466
1889	(2)	(3)	-	(3)	-	605	605	(3)	-	(3)	685	605	1,290
1890	(2)	(3)	-	(3)	-	633	633	(3)	-	(3)	740	633	1,373
1891	(2)	(3)	-	(3)	-	1,136	1,136	(3)	-	(3)	995	1,136	2,131
1892	(2)	(3)	-	(3)	-	1,358	1,358	(3)	-	(3)	1,411	1,358	2,769
1893	(2)	(3)	-	(3)	-	1,369	1,369	(3)	-	(3)	-	1,369	-
1894	(2)	(3)	-	(3)	-	1,730	1,730	(3)	-	(3)	-	1,730	-
1895	(2)	(3)	-	(3)	-	2,537	2,537	(3)	-	(3)	1,714	2,537	4,251
1896	(2)	(3)	-	(3)	-	2,281	2,281	(3)	-	(3)	-	2,281	-
1897	(2)	(3)	-	(3)	-	1,968	1,968	(3)	-	(3)	-	1,968	-
1898	(2)	(3)	-	(3)	-	-	1,970	(3)	-	(3)	-	-	-
1899	(2)	(3)	-	(3)	-	-	2,075	(3)	-	(3)	-	-	8,936
1900	(2)	(3)	-	(3)	-	-	3,598	(3)	-	(3)	-	-	-
1901	(2)	(3)	-	(3)	-	-	4,998	(3)	-	(3)	-	-	-
1902	(2)	(3)	-	(3)	-	-	7,312	(3)	-	(3)	-	-	22,343
1903	(2)	(3)	-	(3)	-	-	9,062	(3)	-	(3)	-	-	-
1904	(2)	(3)	-	(3)	-	-	12,180	(3)	-	(3)	-	-	28,077
1905	(2)	(3)	-	(3)	-	-	7,200	(3)	-	(3)	-	-	22,000
1906	(2)	(3)	-	(3)	-	-	9,950	(3)	-	(3)	-	-	-
1907	(2)	(3)	-	(3)	7,822	5,093	12,915	(3)	-	(3)	37,085	12,915	50,000
1908	(2)	(3)	-	(3)	7,820	8,072	15,892	(3)	-	(3)	-	8,072	-
1909	(2)	(3)	-	(3)	-	-	19,460	(3)	-	(3)	-	-	-
1910	(2)	(3)	-	(3)	-	-	19,387	(3)	-	(3)	-	-	51,850
1911	(2)	32,900	-	32,900	-	-	15,854	8,177	-	8,177	-	-	56,931
1912	(2)	28,938	-	28,938	-	-	21,127	10,369	-	10,369	-	-	60,434
1913	(2)	30,912	-	30,912	-	-	22,347	13,284	-	13,284	-	-	66,543
1914	(2)	36,712	-	36,712	-	-	21,444	9,269	-	9,269	-	-	67,425
1915	273	28,327	-	28,327	13,160	18,609	31,769	8,387	-	8,387	50,147	18,609	68,756
1916	253	16,104	-	16,104	14,538	12,185	26,723	6,928	-	6,928	37,823	12,185	50,008
1917	299	15,592	-	15,592	13,129	9,901	23,030	9,977	-	9,977	38,997	9,901	48,898
1918	297	10,076	20	10,096	11,485	6,308	17,793	9,796	-	9,796	31,654	6,328	37,982
1919	321	11,400	62	11,462	13,014	7,070	20,084	8,257	334	8,591	32,992	7,466	40,458
1920	324	12,580	-	12,580	14,617	8,616	23,233	10,802	-	10,802	38,323	8,616	46,939

See footnotes at end of table.

(Continued on next page)

TABLE 1. -- UNITED STATES AND CANADIAN HALIBUT LANDINGS, 1888 - 1960[1] - Continued

(Thousands of Pounds)

Year	Calif. and Oregon	Washington			British Columbia			Alaska			Pacific Coast		
	U.S.	U.S.	Can.	Total	U.S.	Can.	Total	U.S.	Can.	Total	U.S.	Can.	Total
1921	307	11,795	-	11,795	19,735	10,157	29,892	10,467	-	10,467	42,304	10,157	52,461
1922	351	9,982	-	9,982	17,689	9,217	26,906	5,246	10	5,256	33,268	9,227	42,495
1923	1,012	8,218	5	8,223	20,922	9,107	30,029	12,051	9	12,060	42,203	9,121	51,324
1924	610	7,429	-	7,429	20,379	9,618	29,997	15,088	10	15,098	43,506	9,628	53,134
1925	697	9,821	-	9,821	22,194	7,353	29,547	10,598	-	10,598	43,310	7,353	50,663
1926	617	10,080	13	10,093	19,803	7,878	27,681	14,077	-	14,077	44,577	7,891	52,468
1927	803	11,911	6	11,917	18,326	8,460	26,786	15,446	-	15,446	46,486	8,466	54,952
1928	707	13,935	-	13,935	20,258	10,209	30,467	9,151	-	9,151	44,051	10,209	54,260
1929	965	13,080	-	13,080	19,649	9,007	28,656	14,189	33	14,222	47,883	9,040	56,923
1930	760	12,583	-	12,583	16,874	7,592	24,466	11,657	41	11,698	41,874	7,633	49,507
1931	892	15,221	13	15,234	10,604	7,770	18,374	9,722	-	9,722	36,439	7,783	44,222
1932	865	21,998	-	21,998	10,637	6,409	17,046	4,575	3	4,578	38,075	6,412	44,487
1933	736	22,231	20	22,251	8,763	8,264	17,027	6,781	2	6,783	38,511	8,286	46,797
1934	1,361	20,718	-	20,718	8,595	9,718	18,313	7,155	-	7,155	37,829	9,718	47,547
1935	1,281	22,389	-	22,389	6,927	10,202	17,129	6,543	6	6,549	37,140	10,208	47,348
1936	708	22,995	-	22,995	6,265	10,736	17,001	8,759	5	8,764	38,727	10,741	49,468
1937	697	21,728	18	21,746	7,021	11,896	18,917	8,877	3	8,880	38,323	11,917	50,240
1938	705	21,416	166	21,582	7,349	12,158	19,507	8,421	26	8,447	37,891	12,350	50,241
1939	1,013	20,580	79	20,659	9,323	13,594	22,917	7,180	15	7,195	38,096	13,688	51,784
1940	1,014	19,461	-	19,461	11,211	12,895	24,106	9,721	5	9,726	41,407	12,900	54,307
1941	1,124	19,646	60	19,706	10,037	13,033	23,070	9,148	16	9,164	39,955	13,109	53,064
1942	792	15,061	-	15,061	13,419	11,178	24,597	10,243	66	10,309	39,515	11,244	50,759
1943	1,046	13,377	95	13,472	12,309	12,801	25,110	14,169	44	14,213	40,901	12,940	53,841
1944	876	11,957	-	11,957	5,444	13,312	18,756	21,982	59	22,041	40,259	13,371	53,630
1945	756	12,693	-	12,693	4,575	14,929	19,504	20,785	192	20,977	38,809	15,121	53,930
1946	931	14,312	-	14,312	4,378	18,146	22,524	22,579	491	23,070	42,200	18,637	60,837
1947	813	6,366	270	6,636	2,585	23,889	26,474	22,524	-	22,524	32,288	24,159	56,447
1948	595	10,367	-	10,367	2,479	18,604	21,083	23,895	178	24,073	37,336	18,782	56,118
1949	625	10,367	41	10,408	4,205	18,239	22,444	21,698	641	22,339	36,895	18,921	55,816
1950	723	8,938	-	8,938	3,684	18,929	22,613	25,305	70	25,375	38,650	18,999	57,649
1951	540	11,212	-	11,212	4,388	20,484	24,872	19,189	561	19,750	35,329	21,045	56,374
1952	698	13,352	74	13,426	3,037	23,650	26,687	20,962	1,055	22,017	38,049	24,779	62,828
1953	621	14,848	50	14,898	2,020	24,762	26,782	17,173	1,041	18,214	34,662	25,853	60,515
1954	1,061	17,626	154	17,780	4,224	25,240	29,464	20,769	2,132	22,901	43,680	27,526	71,206
1955	699	16,269	245	16,514	2,751	19,850	22,601	17,205	2,053	19,258	36,924	22,148	59,072

See footnotes at end of table.

(Continued on next page)

TABLE 1. -- UNITED STATES AND CANADIAN HALIBUT LANDINGS, 1888 - 1960[1] - Continued

(Thousands of Pounds)

Year	Calif. and Oregon	Washington			British Columbia			Alaska			Pacific Coast		
	U.S.	U.S.	Can.	Total	U.S.	Can.	Total	U.S.	Can.	Total	U.S.	Can.	Total
1956	772	16,157	760	16,917	3,001	22,919	25,920	21,978	1,918	23,896	41,908	25,597	67,505
1957	573	15,538	1,204	16,742	1,869	22,343	24,212	18,661	1,207	19,868	36,641	24,754	61,395
1958	[4] 732	15,923	1,963	17,886	579	23,793	24,372	19,337	2,886	22,223	36,295	28,918	65,213
1959	338	17,947	2,975	20,922	318	23,819	24,137	22,218	4,100	26,318	40,821	30,894	71,715
1960	372	16,574	3,381	19,955	1,063	26,988	28,051	20,293	3,244	23,537	38,302	33,613	71,915

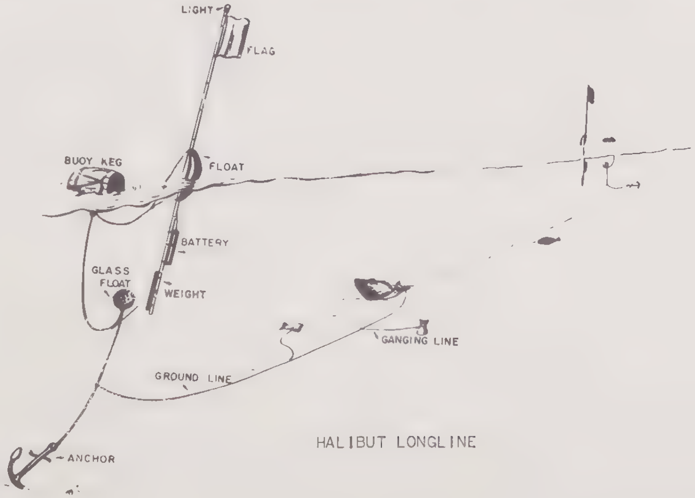
[1] 1888 to 1950 from Bell, Dunlop and Freeman, I. F. C. Rept. No. 17, 1952.

[2] No figures available for California and Oregon landings until 1915, but they are known to have been inconsequential in early years.

[3] No suitable figures available until 1911 for an accurate separation of Alaska and Washington landings.

[4] Includes 276,000 pounds landed by Canadian vessels in Oregon.

Note.--The quantities shown represent the eviscerated heads-off landed weight of the fish. Conversion to round weight can be made by multiplying these weights by 1.33.



HALIBUT LONGLINE

TABLE 2. -- CATCH OF HALIBUT BY FISHING GROUNDS, 1910 — 1960

(Thousands of Pounds)

Year	Fishing Grounds (Column)								
	A	B	C	D	E	F	G	B to D	E to G
1910	(1)	(1)	(1)	(1)	(1)	(1)	(1)	51,850	(1)
1911	(1)	(1)	(1)	(1)	(1)	(1)	(1)	56,931	(1)
1912	(1)	(1)	(1)	(1)	(1)	(1)	(1)	59,534	900
1913	(1)	(1)	(1)	(1)	(1)	(1)	(1)	55,436	11,107
1914	(1)	(1)	(1)	(1)	(1)	(1)	(1)	44,476	22,949
1915	273	(1)	(1)	(1)	(1)	(1)	(1)	44,023	24,460
1916	253	(1)	(1)	(1)	(1)	(1)	(1)	30,278	19,477
1917	299	(1)	(1)	(1)	(1)	(1)	(1)	30,803	17,796
1918	297	(1)	(1)	(1)	(1)	(1)	(1)	26,270	11,415
1919	321	(1)	(1)	(1)	(1)	(1)	(1)	26,602	13,535
1920	324	(1)	(1)	(1)	(1)	(1)	(1)	32,358	14,257
1921	412	5,960	20,390	10,222	9,345	5,402	730	36,572	15,477
1922	363	4,485	16,773	9,224	7,085	4,547	18	30,482	11,650
1923	1,047	3,154	15,137	9,717	12,095	9,503	671	28,008	22,269
1924	659	2,322	13,977	9,856	8,462	16,358	1,500	26,155	26,320
1925	1,203	1,995	12,655	7,987	7,312	14,848	4,663	22,637	26,823
1926	897	2,854	14,692	7,165	5,367	15,647	5,846	24,711	26,860
1927	1,193	2,846	12,669	7,419	8,183	14,440	8,202	22,934	30,825
1928	1,061	2,410	15,425	7,581	8,052	14,484	5,247	25,416	27,783
1929	1,225	1,903	12,815	9,847	6,857	15,415	8,861	24,565	31,133
1930	843	1,476	11,381	8,530	5,655	12,535	9,087	21,387	27,277
1931	923	1,410	12,827	7,390	5,095	9,513	7,064	21,627	21,672
1932	902	2,000	12,250	7,738	5,797	10,912	4,888	21,988	21,597
1933	743	2,008	12,368	8,154	7,134	12,424	3,966	22,530	23,524
1934	1,613	1,679	13,275	7,684	6,369	12,343	4,584	22,638	23,296
1935	1,489	2,080	12,885	7,852	7,691	11,530	3,821	22,817	23,042
1936	710	1,884	13,121	9,906	7,036	11,170	5,641	24,911	23,847
1937	716	2,072	14,557	9,395	5,419	12,930	5,151	26,024	23,500
1938	706	2,647	14,590	7,738	6,612	13,012	4,936	24,975	24,560
1939	1,073	1,609	17,975	7,770	5,576	13,502	4,279	27,354	23,357
1940	779	1,883	17,874	7,858	5,021	16,262	4,630	27,615	25,913
1941	332	2,444	15,757	7,806	4,302	16,119	6,304	26,007	26,725
1942	286	2,420	13,454	8,447	4,399	16,195	5,558	24,321	26,152
1943	420	2,959	14,087	8,265	5,236	15,046	7,828	25,311	28,110
1944	320	1,744	14,056	10,717	3,841	16,223	6,729	26,517	26,793
1945	401	982	14,327	9,069	3,217	16,409	9,525	24,378	29,151
1946	629	1,242	17,983	10,453	5,477	16,349	8,704	29,678	30,530
1947	430	1,144	17,344	10,164	7,112	12,734	7,519	28,652	27,365
1948	285	2,018	16,241	10,150	4,774	14,846	7,804	28,409	27,424
1949	427	2,038	15,086	9,818	5,947	15,001	7,499	26,942	28,447
1950	392	1,921	16,188	8,937	6,588	17,247	6,376	27,046	30,211
1951	319	1,577	18,905	10,126	6,370	14,491	4,586	30,608	25,447
1952	526	1,446	19,744	9,658	9,245	18,024	4,185	30,848	31,454
1953	383	1,702	22,751	8,554	8,248	14,588	4,289	33,007	27,125
1954	714	2,544	23,010	11,146	9,046	20,408	4,338	36,700	33,792
1955	612	2,223	17,533	8,988	7,147	15,915	6,654	28,744	29,716

See footnotes at end of table.

(Continued on next page)

TABLE 2. -- CATCH OF HALIBUT BY FISHING GROUNDS 1910 - 1960 - Continued

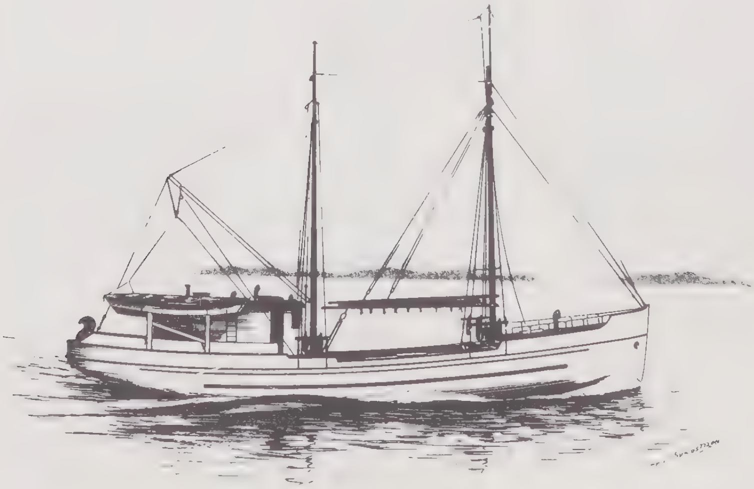
(Thousands of Pounds)

Year	Fishing Grounds (Column)								
	A	B	C	D	E	F	G	B to D	E to G
1956	594	1,953	18,815	14,654	5,924	16,187	9,378	35,422	31,489
1957	446	1,659	16,619	12,349	5,254	17,595	7,473	30,627	30,322
1958	357	1,852	17,337	11,369	6,544	17,977	9,777	30,558	34,298
1959	236	2,436	15,207	13,162	8,322	17,042	15,310	30,805	40,674
1960	261	2,264	16,730	12,815	5,405	15,640	18,800	31,809	39,845

1/ For the years 1920 and earlier, it has been possible to separate the landings with full assurance only as to whether they originated from grounds south or west of Cape Spencer. Since 1921 the catch has been assigned to the following fishing grounds:

Column A - South of Willapa Harbor
Column B - Willapa Harbor to Cape Scott
Column C - Cape Scott to Dixon Entrance
Column D - Dixon Entrance to Cape Spencer
Column E - Cape Spencer to Cape St. Elias
Column F - Cape St. Elias to Trinity Islands
Column G - Trinity Islands and Westward
Column B to D - Willapa Harbor to Cape Spencer
Column E to G - West of Cape Spencer

Note:--The quantities shown represent the eviscerated heads-off landed weight of the fish. Conversion to round weight can be made by multiplying these weights by 1.33.



HALIBUT SCHOONER

SECTION 13

STATISTICAL SURVEY PROCEDURE

This report is another in a series of annual statistical reports containing detailed statistics, analytic textual reviews, and graphic presentations on the commercial fisheries of the United States. Included are data on the quantity and value of the commercial yield of fishery products by States, regions, waters, and gear; and the number of persons and operating units engaged in the fisheries. The publication contains data on the volume and value of processed fishery products, freezings and cold-storage holdings, foreign trade, and other related information. The report has been prepared and published by the Bureau of Commercial Fisheries, Fish and Wildlife Service, United States Department of the Interior, and is a continuation of a series inaugurated by its predecessor organizations in the Departments of Interior, Commerce, Commerce and Labor, and the United States Fish Commission.

In order that those who use the statistical data contained in this and previous reports may be informed as to the source of the figures and methods for their collection, it has been deemed advisable to outline, in moderate detail, the survey procedure followed. This procedure has been developed over a period of years, and changes in methods have been made at times when such changes have appeared to work toward general improvement. While the surveys in different sections are not made in the same manner, owing to varying facilities and records, an attempt has been made to make the data collected by various methods comparable with respect to the same year as well as over a period of years. Throughout the entire plan it has been the intention to coordinate state and federal fishery statistical work so that there will be as little duplication of effort as possible.

SECTIONAL SURVEYS

Statistical surveys of the fisheries and fishery industries of the various sections of the United States occupy by far the greatest part of the time of the personnel of the Branch of Statistics. In the course of these surveys, the field representatives visit the individual fishing localities of the various States to collect statistics on the volume and value of the catch of fish and shellfish, employment in the fisheries, quantity of fishing gear, number and classification of fishing and transporting craft, and the volume and value of manufactured fishery products and byproducts. The various phases of these surveys are discussed in detail in the sections following.

History--The first comprehensive statistical study of the fisheries and fishery industries of the United States was made for the year 1880 by George Brown Goode, Assistant Director of the United States National Museum, and associates, with the cooperation of the Commissioner of Fisheries and the Superintendent of the Tenth Census. Data for specific fisheries, or restricted sections for years prior to 1880, also were collected in the early survey and recorded in Mr. Goode's reports. The survey for 1880, however, did not include the Mississippi River and its tributaries. Periodic general surveys of a limited number of States or limited areas of the United States were made for the years from 1880 to 1907 and from 1909 to 1928. The first complete statistical canvass of the entire United States was made for 1908 by the Bureau of the Census. The next general survey of the entire United States was not made until 1931, although complete data for all sections, excluding the Mississippi River and its tributaries, were collected for 1929 and 1930. Complete data on the catch and operating units for these same sections were also collected for 1932. In the latter survey, however, lack of sufficient funds prohibited collection of data on the wholesale and manufacturing operations except those data collected as a part of the canned fishery products and byproducts survey. Various sections were surveyed during the years from 1933 to 1949, inclusive. A complete survey of all sections of the country was made for 1950. Since 1951, all of the coastal areas were canvassed annually, and catch records were obtained for the Lakes section. Complete operating unit and catch data have been obtained for all areas since 1954. Data on the wholesale and manufacturing industries were collected in all of the surveys from 1933 to 1940, inclusive. In the years from 1941 to 1949, inclusive, and in 1951, lack of experienced personnel and budgetary limitations precluded the collection of data on wholesale and manufacturing firms except for those data collected as part of the canned fishery products, byproducts, and packaged fish surveys.

STATISTICAL SURVEY PROCEDURE

The chart on page 495 indicates the years for which surveys have been made in the various sections. Figures for more recent years are available from the Bureau in bulletin form, but data for the earlier years are available only in the Fish Commission and Bureau of Fisheries printed reports. These reports are available for reference in the Department of the Interior library and in many public libraries.

Since the surveys of the fisheries have varied in completeness three legends have been used for the years shown in the chart to indicate whether complete, partial, or no surveys were conducted in the individual regions. The designation "complete survey" has been used to indicate that basic operating unit and catch data were obtained and that complete information was collected on employment in wholesale and manufacturing establishments and on the production of manufactured fishery products. The legend "partial survey" usually indicates that operating unit and catch statistics were collected, but that no information was obtained on employment in wholesale and manufacturing establishments and that only partial data were obtained on the production of manufactured fishery products. In some instances the designation "partial survey" is used for regions in which only catch statistics were collected. The legend "no survey" indicates that a general canvass was not conducted to obtain operating unit, catch, employment in wholesale and manufacturing plants, and complete manufactured products data. Although the chart indicates that in certain regions no surveys were conducted, some information may be available on the landings at certain important ports. Likewise, information on the catch of certain species, such as menhaden, may be available as a result of data collected in connection with the annual canned fish and byproducts survey. Data on the annual production of canned fishery products and byproducts have been collected for all regions since 1921, while information has been obtained on the production of packaged fish for 1926 and annually since 1928.

A bibliography listing the various surveys made since 1880 and the publications in which the results were published appeared in Statistical Digest No. 43, "Fishery Statistics of the United States, 1956." A list of the statistical bulletins in the Current Fishery Statistics series published during 1960 may be found in Section 16 of this digest.

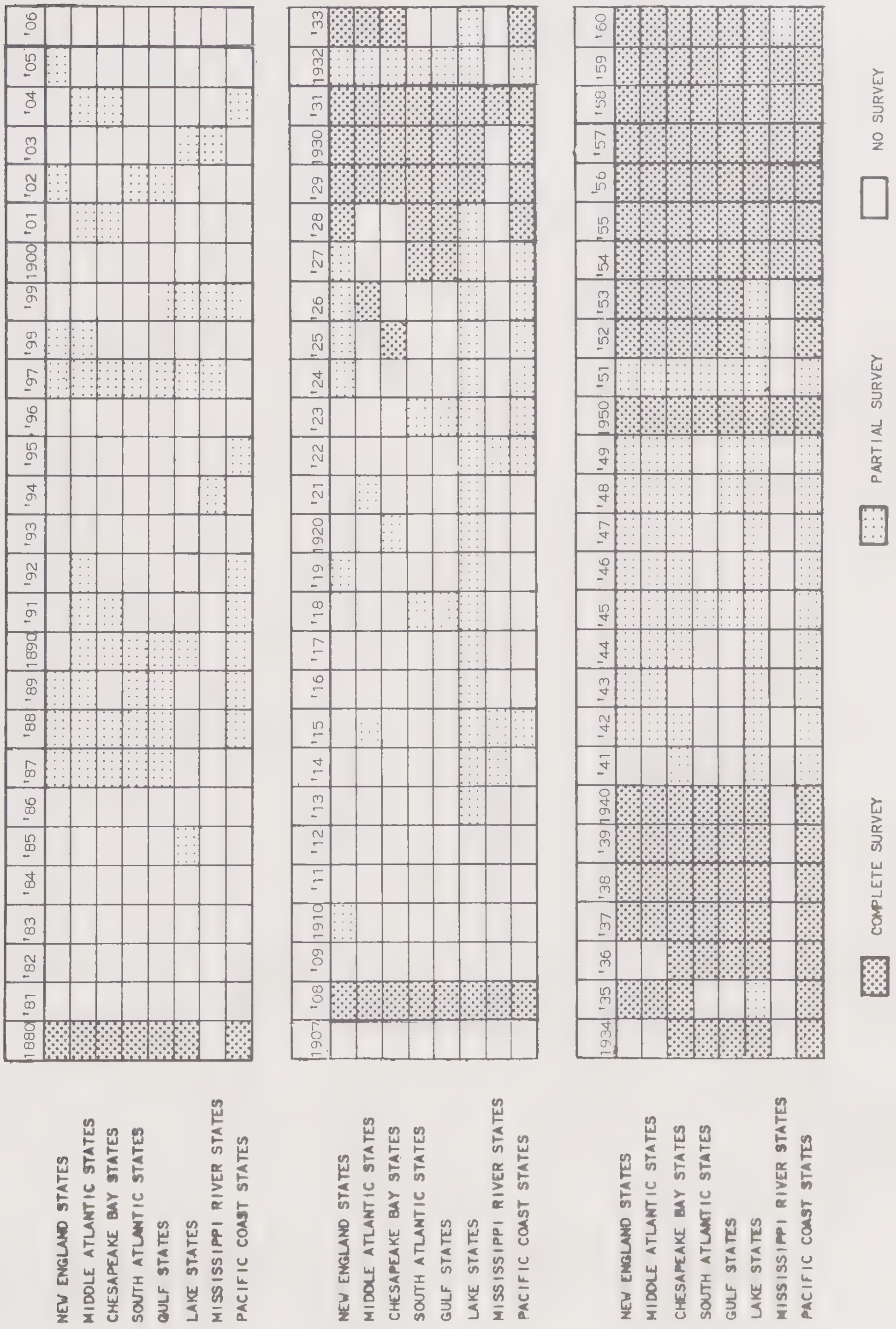
Field Personnel--The statistics contained in this volume have been collected by a group of trained fishery marketing specialists of the Bureau.

Period Covered--These specialists are assigned permanent field stations, generally in the principal port within their field, and travel from that station in conducting their various surveys. Most of the agents collect statistics on landings for the current year, and assemble final operating unit, catch, and manufactured products data for the previous year. It is usually three to ten months after the end of the calendar year for which they are collecting data before the final figures for this digest are available. The data are tabulated and prepared for publication before the end of the year. The figures are collected and published on a calendar year basis. Prior to 1930, statistics on the catch of oysters in the Atlantic and Gulf States were collected for the oyster season; that is, from September to April, inclusive. Beginning with 1930 and continuing to the present time, they have been collected on the basis of the calendar year.

Scope--The coastal statistical surveys include canvasses of the commercial fisheries of the oceans, bays, and coastal rivers as far inland as commercial fishing is important. This usually coincides with the range of commercial fishing for anadromous species. Statistics on the fisheries of the Mississippi River include those of the Mississippi River proper as well as all of its tributaries wherein commercial fishing for either fish, crustaceans, or mollusks is carried on. Statistics on the fisheries of the Great Lakes cover canvasses of the fisheries in the lakes proper, adjacent bays, the International Lakes of northern Minnesota, and rivers which sustain a commercial fishery having outlets into these waters. Statistics on the fisheries of Florida include the commercial fisheries in Lake Okeechobee and other inland lakes. Surveys for statistics of the wholesale and manufacturing fishery industries cover plants located in the coastal, river, and lake areas adjacent to the waters mentioned above.

Methods of Collection--There are several methods used in the collection of fishery

STATISTICAL SURVEY PROCEDURE



SURVEYS OF THE FISHERIES OF THE UNITED STATES statistics, each of which has been carefully studied to obtain the best results with available personnel and funds. In most instances the field personnel obtain from local customs officials lists of fishing vessels and names of owners of these craft. Also it is usually possible to obtain the names of licensed commercial fishermen, fishing craft, and some statistics on the catch, from State fishery agencies; from other State, county, or city sources; or from private organizations.

Using available preliminary records as a guide, the field specialists visit each fishing community in their field unless these preliminary records are so complete that personal visits may be eliminated. If complete catch data are not available from central sources, wholesale dealers and manufacturers of fishery products are visited and data are obtained from them on their purchases of fish and shellfish. It is impossible for the few Bureau representatives available for this work to interview each fisherman in a given locality. However, the more important areas and a sufficient number of areas of lesser importance are visited to obtain reliable information on production, the number of fishing craft engaged, the quantity of gear operated, catch by gear and waters, and the number of persons employed as fishermen.

The Bureau's role with regard to fishery statistics is principally that of coordinating the collection of information, assembling, analyzing, publishing, and disseminating fishery data. The collection of basic operating unit and catch statistics is primarily a State function. The State fishery agencies in a number of States have developed relatively complete statistical systems which greatly facilitate the Bureau's surveys in these States. In such instances, the Bureau conducts only such surveys as may be necessary to make the data comparable with those of other States.

The Bureau obtains from the records of the State fishery agencies most of the catch statistics for the fisheries of the Great Lakes, the northern Mississippi River area, and the International Lakes of northern Minnesota. To obtain data on the number of fishermen, boats, vessels, and gear, the Bureau conducts such personal surveys among the fishermen as may be necessary to supplement the State records.

Bureau statistical personnel are stationed at Seattle, Washington; Astoria, Oregon; and San Pedro, California for the purpose of surveying the fisheries of Washington, Oregon, and California. They obtain from the records of the State fishery departments figures on the volume of the catch and operating units. The value of the catch is derived from State and dealers' records. In Washington and Oregon, data for operating units in the offshore fisheries are obtained from the records of various fishery organizations as well as from records of the State fishery agencies. Statistics of the wholesale fishery industry for this section are obtained largely by personal interviews.

In many States, the Bureau and the fishery agency of the respective States cooperate in the collection and publication of current monthly and annual data on the catch. These data form the basis of the annual catch figures published in this report for the following States: Maine, Massachusetts, Rhode Island, New York, New Jersey, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, Texas, Washington, Oregon, California, Hawaii, and Ohio.

In the administration of the Alaska fisheries, the State requires that copies of all receipts for fish and shellfish purchases from fishermen be furnished to the Alaska Department of Fish and Game. The data on these tickets are compiled and made available to the Bureau. The summary data, by districts, are reproduced in this report.

Statistics on the volume of the catch of fish in the Great Lakes States usually are shown in weights as landed, which may be in the round or drawn condition. Statistics on the volume of the catch of fish taken in the remainder of the United States are usually shown in round weight.

The figures in the tables for shellfish represent the weight of the meats in the cases of univalve and bivalve mollusks, and the round weight of crustaceans and such mollusks as squid and octopus.

Shore and Vessel Fisheries--In general, statistics of the shore fisheries, as collected by the Bureau's representatives, include data on the number of casual and regular fishermen; number of motor and other fishing boats and accessory boats (craft of less than 5 net tons capacity are called "boats"); type and quantity of gear used; and the volume, value, and method of capture of each species for each locality or group of localities. This method is not followed in some sections where the availability of data collected by the State fishery agencies obviates the necessity of detailed locality surveys.

Statistics of the vessel fisheries include data on the number in the crew; rig of vessels; gross tonnage; kind and quantity of gear used; accessory boats carried; and volume, value, and method of capture of each species. Craft having a capacity of 5 net tons or over are called "vessels". As in the shore fisheries, the availability of figures collected by State fishery agencies may eliminate the necessity of our Bureau agents collecting these data for individual vessels.

Statistics on the quantity of gear operated indicate the maximum number of units fished at any one time during the year. Gear carried in reserve for replacement is not reported.

All persons engaged in commercial fishing operations are included as fishermen. In most areas fishermen not on vessels have been divided into "regular" and "casual". Regular fishermen are defined as those who receive more than one-half their annual income from fishing; whereas casual fishermen are those who receive less than one-half their annual compensation from fishing. On the Pacific Coast, it has not been possible to separate regular from casual fishermen.

Since 1942, the catch of fish and shellfish has been credited to the port at which it was landed. Prior to the survey for that year, it was the practice of the Bureau to credit the entire catch of a vessel to the principal port at which fish or shellfish were unloaded, regardless of the actual point of landing. This policy was discontinued since it quite often resulted in inconsistencies by crediting catches of some species to areas far removed from localities in which they are commonly taken. An outstanding example of this is the southern trawl fishery conducted off the New Jersey, Maryland, Virginia, and North Carolina coasts. Some fishing vessels from New England operate in this fishery for 6 to 10 weeks during the winter season. Prior to the survey for 1942, the catch of these vessels, consisting principally of fish common to Middle Atlantic waters, was credited to Massachusetts. Under the present system, this catch is credited to the Middle Atlantic ports where it is landed.

Since 1949 on the Pacific Coast and 1951 for the balance of the country, craft, fishermen, and gear have been reported for each State in which they fished. A total exclusive of duplication is shown for each section, and for the United States as a whole. Prior to the surveys for 1949, each craft on the Pacific Coast was credited to its home port unless it did not fish from that port during the year. In that case, it was credited to the locality where it landed the greatest portion of its catch. Prior to the survey for 1951, each craft on the Atlantic and Gulf Coasts and interior waters was credited to the port where it landed the greatest portion of its catch during the year. This system was changed to provide more accurate data on the total number of craft operating in a given State. With the increased mobility of the fishing fleet in recent years, the number of vessels fishing in more than one State has increased greatly.

Beginning with data for 1951, the reporting of units of gear was standardized so that nets or lines made up of small units for ease in handling, but fastened together in fishing, were counted as a single unit rather than as a number of smaller units. Prior to 1951, the small units were sometimes counted as individual pieces of gear even though they were combined for fishing. This rule does not apply to halibut longlines or setlines on the Pacific Coast. In this fishery each skate of gear is counted as one line, even though they are fastened together in fishing, because the International Pacific Halibut Commission uses a skate of gear as a unit in its studies of fishing intensity.

Publication of Data--Statistics on employment in the fisheries, craft and gear engaged, quantity and value of catch, and certain data on industries related to the fisheries are summarized according to geographic divisions and published in bulletin form as soon as possible after the completion of each survey. Later, the figures, in more detail, are included in the annual statistical report of the Bureau entitled "Fishery Statistics of the United States."

Data on the operating units (fishermen, fishing craft, and gear) and catch by counties for the Atlantic and Gulf States have been included in these annual statistical reports for the years from 1928 to 1938 except for 1932. These data have also been published in the digests for the years 1945, 1950, 1955, and 1960. County data were collected for the State in which surveys were conducted during the years since 1938, except for Maryland. Between 1942 and 1959, only operating unit data by counties have been obtained for Maryland. Complete data were obtained for 1960. County data assembled for the years since 1938, which were not published in the Digest, are on file in the Washington office of the Bureau.

LOCAL AND SPECIAL SURVEYS

Landings at Certain Massachusetts Ports--Detailed statistics are collected on the landings of aquatic products by individual fishing craft at Boston, Gloucester, New Bedford, Plymouth, Provincetown, and other Cape Cod ports. Bureau representatives are stationed at the principal ports. They obtain figures on the quantity and value of fish landed daily by fishing craft, the dates of departure and arrival of the craft, the gear used in their capture, the grounds from which the fish were taken, and other related information. The Bureau's Division of Biological Research and the Branch of Market News cooperate in the collection of these data.

Statistics on landings at the above ports are released monthly and annually in bulletin form, and detailed data are published in the annual statistical digest. Products of American fisheries received duty free at Boston and Gloucester from the treaty coasts of Newfoundland, Magdalen Islands, and Labrador, have not been included in the landings at these ports since 1938. Data on the landings at Boston and Gloucester have been collected annually since 1893. Information on landings at New Bedford has been collected annually since 1938 and at Plymouth, Provincetown, and other Cape Cod ports since 1945.

Shad and Alewife Fisheries--Owing to the importance of the Hudson and Potomac Rivers in the production of shad, surveys for statistics of the catch, value of the catch, and operating units are made annually. On the Potomac River similar statistics are also obtained for the alewife fishery. Much of the data required for these surveys is available from the State fishery agencies.

Annual data on the shad and alewife fisheries are not published separately in bulletin form. However, a summary is published in the annual statistical digest.

Statistics on the Hudson River shad fishery are available for 1896, 1897, 1898, 1901, 1904, 1910, and annually since 1915, while data for the Potomac River shad fishery are available for 1896, 1901, 1904, 1909, 1915, from 1919 to 1942, inclusive, and annually since 1944. Statistics of the Potomac River alewife fishery are available for 1896, 1909, 1915, from 1919 to 1942, inclusive, and annually since 1944.

Pacific Halibut Fishery--Statistics on the Pacific halibut fishery are obtained primarily from the International Pacific Halibut Commission. Beginning with data for 1956 the fleet classification of halibut craft was revised and vessels were credited in operating unit tables to each district in which they landed fish; the only exception being that United States vessels landing at Prince Rupert, British Columbia, are credited to Southeastern Alaska. Duplication of halibut craft which operated in more than one district has been eliminated in regional and national totals. The catch by the halibut fleet is credited to the port of landing except that fish landed by United States halibut craft in British Columbia is credited to Southeastern Alaska. Halibut statistics are also included in the monthly and annual summaries published by the Seattle Market News Office. Statistics on the landings of halibut at Pacific Coast ports have been collected since 1925.

South Atlantic and Gulf of Mexico Shrimp Fishery--Detailed statistics on the quantity and value of shrimp, by variety and size, landed at South Atlantic and Gulf ports, have been collected for the Gulf area since 1956 and the South Atlantic since 1957. Since 1956, Bureau agents have also obtained daily information on the number of fishing trips, area and depth fished, and time spent in fishing by craft landing at United States ports in the Gulf of Mexico. The Branch of Market News, the Bureau's Branch of Marine Fisheries of the Division of Biological Research, and various fishery agencies of the southern States cooperate in the collection of these data.

Detailed monthly and annual summaries of the statistics on shrimp landings are published in bulletin form and are summarized in the annual statistical digests.

Hawaiian Fisheries--The volume and value, by species, of the catch landed monthly in the State of Hawaii are furnished the Bureau by the Department of Land and Natural Resources, Division of Fish and Game, Honolulu, Hawaii. Although these data have been published in the Hawaiian section of the Digest since 1946, it was not until 1959 that operating unit, catch, and manufactured products data were assembled in the same manner as those for other States. This allowed them to be included in the national summary tables. The common and scientific names of the species of fish and shellfish landed in Hawaii are not included in Section 14 of this report.

Historical Fishery Statistics--The Bureau of Commercial Fisheries has in its files and in various Bureau reports or publications of other organizations a large volume of historical data on fisheries. Beginning with the 1951 Digest, a section entitled "Historical Fishery Statistics," which includes complete historical information on selected species, has been carried. There is published each year a listing of the titles of the series of data appearing in earlier editions.

Menhaden Purse Seine, Shrimp and Fish Otter Trawl, and Salmon Troll Fleets--Beginning with 1957, detailed data have been published in Section 12 of these digests on the menhaden purse seine and otter trawl fleets. Similar data for the salmon troll fishery are included in this report. The summary operating unit data include information for craft in these fisheries by area, State, and gross tonnage. Prior to 1957, these data were not available since it was impossible to determine from regular operating unit tables the duplication between areas in fishermen and craft.

Canned Fishery Products and Byproducts--Beginning in 1921, the Bureau has made annual surveys for statistics of the canned fishery products and byproducts industries of every section. These are started the first week in January of each year for statistics on the production in the preceding year. So far as possible, the Bureau obtains by mail, for each domestic canned fishery products and byproducts plant, figures on its annual production. Where it is impossible to obtain the information by mail, the report is secured by a Bureau agent. Included in the data obtained are statistics on the yield and value of the canned products by type of commodity, can size, and area of production. Data on byproducts are obtained by commodity and area of production. The value shown for canned products and byproducts is in the gross amount received by the packer at the production point. No deductions are made for commissions or expenses.

Annual statistical bulletins are issued on this trade, and detailed statistics are published in the annual statistical digest. Prior to 1921, canned fish and byproducts data were not collected for the entire country. However, data on the production of these products were usually obtained for the areas in which general canvass surveys were conducted.

Fish Meal and Oil--Data are collected monthly on the domestic production of fish meal, body oil, fish solubles, and homogenized condensed fish. This information is released monthly and annually in the Bureau's Current Fishery Statistics series of bulletins.

Packaged Fish Trade--Statistics on the annual production and value of fish packaged in the United States, exclusive of the states of Alaska and Hawaii, are obtained in conjunction with the canned fishery products and byproducts survey. These data are released annually in bulletin form and in the annual statistical digest. Statistics on the production of packaged fish are available for 1926 and annually since 1928, except that no data were collected in California for the years 1941 to 1946, inclusive.

Fish Sticks and Portions--Quarterly information is collected and published on the production and value of cooked and raw fish sticks and breaded, cooked, and raw fish portions, and unbreaded fish portions. The data are released in the Bureau's Current Fishery Statistics series of bulletins.

Cold-Storage Holdings of Fish--Information on the monthly freezings and holdings of fishery products is obtained from cold storage warehouses by mail and by Bureau employees. Data are also obtained on the holdings of certain cured fish. Bulletins showing these statistics are issued monthly and annually.

Detailed cold-storage statistics also are published in the Bureau's annual statistical digest. Information regarding cold-storage holdings of fishery products has been published since 1917, while data on the quantity of fish frozen have been released for the years from 1920 to 1925, inclusive, and annually since 1928.

Foreign Fishery Trade--Statistics on foreign fishery trade are obtained from compilations made by the Bureau of the Census, Department of Commerce. Statistics on all known imported or exported fishery products have been assembled and published annually since 1926 in the Bureau's statistical digest. For earlier years, figures are available in the reports of the Bureau of the Census, Bureau of Foreign and Domestic Commerce, the Bureau of Statistics, the Department of Commerce and Labor, or the Treasury Department.

PRACTICES AND TERMS

Certain practices and terms used in this report are explained below.

Operating Units--Operating units as referred to in this report include persons employed in the fisheries, and craft and gear engaged in the fisheries.

Vessel--The term "vessel" refers to a craft having a capacity of 5 net tons or over.

Boat--The term "boat" refers to a craft having a capacity of less than 5 net tons.

Days Absent--In computing "days absent" for vessels landing fares at certain Massachusetts ports, the day of arrival, but not the day of departure is included; thus, a vessel leaving port on the 8th of the month and returning on the 15th of the month will be credited with 7 days absence. Prior to 1944, "days absent" included both the day of departure and the day of arrival.

Days Fished--In computing "days fished" for fishing craft landing shrimp at Gulf of Mexico ports, the total number of hours spent in fishing effort has been divided by 24.

Fish--The term "fish" as used in this report includes all species belonging to the class Pisces.

Shellfish, etc.--A shellfish is an aquatic invertebrate animal having a shell, such as a mollusk or crustacean. However, in order to reduce the classifications appearing in the catch tables, all items not properly listed as "Fish" or "Whale Products" have been included under "Shellfish, etc." Accordingly, there is included under this classification turtles, frogs, sponges, seaweed, and worms.

Whale Products--Since data are not available on the poundage of whales taken, statistics appearing in catch tables on the yield of these mammals represent the weight of products produced such as meal, sperm oil, whale oil, etc. The values shown represent the amount received by the manufacturer for the products.

Incidental Catch--The term "incidental catch" refers to the catch of certain species by a type of gear which ordinarily does not capture such species.

Percentages--Percentages are usually shown as whole numbers. Fractions of percents are dropped if less than five-tenths, and the percentage is raised to the next higher integer if the fraction is greater than five-tenths. If the fraction is exactly five-tenths, odd integers are raised to the next even figure while even integers remain unchanged.

Converting--Many of the figures shown in the summary tables published herewith have been converted to thousands of pounds or thousands of dollars. In making these conversions the sum of the items in a table is raised or lowered to the nearest thousand in accordance with standard statistical procedures. The individual items are adjusted to conform to the total thus obtained.

Confidential Data--The statistical data collected by the Bureau are confidential, and, unless specific authorization is given, are not released in a manner that would divulge private enterprise.

CONVERSION FACTORS

It is the policy of the Bureau to show detailed catch figures of all products in pounds for the sake of uniformity and for purposes of comparison. This represents little difficulty in the case of fish, since in very rare instances are fish reported in units of measure other than pounds. For shellfish, however, the units of measure may be bushels, sacks, barrels, numbers, gallons of meats, etc. These many units make standardization difficult, and when combined with the wide variation in the requirements or definitions of some of these units in the various states, the problem becomes even more complex.

All univalve and bivalve mollusks (except fresh-water mussel shells) are reported in pounds of meats in the detailed catch tables presented in this report. In addition, there are included supplementary tables for most of the sections, which give data on the production in bushels. These supplementary tables also give the production in number of certain other shellfish, such as crabs. There also is included in the General Review section of this report a table containing data on the shell weight of univalve and bivalve mollusks taken.

Oysters--Probably the greatest problem in the presentation of fishery statistics in uniform units of measure is in the case of oysters. Usually the production of oysters on the Atlantic and Gulf Coasts is reported to Bureau personnel in bushels. Prior to the data obtained for the year 1930, bushels were converted to pounds of meats on the basis of a uniform yield of 7 pounds of meats to the bushel. However, it was found that there was considerable variation in the yield of oysters per bushel particularly in southern states where the yield has ranged as low as half the conversion factor used prior to 1930. There follows a table which gives the measures used for oysters in the various States and the average yields per bushel. The statistical tables in this report are based on these average yields.

MEASURES AND YIELDS OF OYSTERS

STATE	CAPACITY OF STATE BUSHEL	VARIATION FROM U.S. STANDARD BUSHEL		YIELD OF MARKET OYSTERS 1960	
				STATE BUSHEL	U.S. STANDARD BUSHEL
	CUBIC INCHES	CUBIC INCHES	PERCENT	POUNDS OF MEATS	POUNDS OF MEATS
MAINE.	2,150.4	-	-	7.50	7.50
MASSACHUSETTS.	2,150.4	-	-	6.50	6.50
RHODE ISLAND	2,150.4	-	-	7.00	7.00
CONNECTICUT.	2,150.4	-	-	7.70	7.70
NEW YORK	2,150.4	-	-	7.50	7.50
NEW JERSEY	2,257.3	+ 106.9	+ 5.0	7.36	7.01
DELAWARE	2,257.3	+ 106.9	+ 5.0	6.93	6.60
MARYLAND	2,800.7	+ 650.3	+ 30.2	5.96	4.58
VIRGINIA	3,003.9	+ 853.5	+ 39.7	5.85	4.19
NORTH CAROLINA	2,801.9	+ 651.5	+ 30.3	5.49	4.21
SOUTH CAROLINA	4,071.5	+ 1,921.1	+ 89.3	5.55	2.93
GEORGIA.	5,343.9	+ 3,193.5	+ 148.5	7.83	3.15
FLORIDA, EAST COAST. .	3,214.1	+ 1,063.7	+ 49.5	6.28	4.20
FLORIDA, WEST COAST. .	3,214.1	+ 1,063.7	+ 49.5	6.31	4.22
ALABAMA.	2,826.2	+ 675.8	+ 31.4	5.48	4.17
MISSISSIPPI.	2,826.2	+ 675.8	+ 31.4	5.07	3.86
LOUISIANA.	2,148.4	- 2.0	- 0.1	4.54	4.54
TEXAS.	2,700.0	+ 549.6	+ 25.6	6.37	5.07

NOTE:-- THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

AVERAGE YIELDS OF CERTAIN MOLLUSKS

(POUNDS OF MEATS PER U.S. STANDARD BUSHEL)

STATE	CLAMS						PERI-WINKLES AND COCKLES	SCALLOPS			MUSSELS, SEA	CONCHS
	HARD		OCEAN QUAHOG	SOFT	SURF	RAZOR		BAY	CALICO	SEA		
	PUBLIC	PRIVATE										
MAINE	11.00	-	-	15.00	-	-	18.00	-	-	6.00	15.00	-
MASSACHUSETTS . . .	11.00	11.00	-	13.00	11.00	16.00	-	6.00	-	6.00	10.00	15.00
RHODE ISLAND. . . .	12.00	-	10.00	13.00	-	-	-	-	-	6.00	10.00	15.00
CONNECTICUT	12.00	-	-	13.00	-	-	-	6.20	-	-	-	20.00
NEW YORK.	12.00	12.00	-	16.00	17.00	16.00	-	6.00	-	6.00	10.00	15.00
NEW JERSEY.	10.00	10.00	-	12.00	17.00	-	-	-	-	6.00	-	20.00
DELAWARE.	8.00	8.00	-	-	17.00	-	-	-	-	-	-	20.00
MARYLAND.	8.00	8.00	-	12.00	17.00	-	-	-	-	6.06	-	20.00
VIRGINIA.	8.00	8.00	-	12.00	-	-	-	-	-	6.00	-	20.00
NORTH CAROLINA. . .	8.75	-	-	-	-	-	-	6.00	4.37	-	-	-
SOUTH CAROLINA. . .	8.75	-	-	-	-	-	-	-	-	-	-	-
FLORIDA, EAST COAST	8.00	8.00	-	-	-	-	-	-	-	-	-	-
FLORIDA, WEST COAST	8.00	-	-	-	-	-	-	5.20	-	-	-	14.00

AVERAGE NUMBER OF CRABS PER POUND

STATE	BLUE		GREEN	ROCK	STONE	HORSESHOE
	HARD	SOFT AND PEELER				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
MAINE.	-	-	-	3.00	-	-
NEW HAMPSHIRE.	-	-	-	3.00	-	-
MASSACHUSETTS.	-	-	14.29	3.00	-	-
RHODE ISLAND	-	-	14.29	3.00	-	-
CONNECTICUT.	5.00	-	-	-	-	-
NEW YORK	2.40	-	-	-	-	-
NEW JERSEY	2.00	3.43	-	3.00	-	0.25
DELAWARE	2.40	4.00	-	-	-	-
MARYLAND	2.40	4.00	-	-	-	-
VIRGINIA	3.00	6.00	-	-	-	-
NORTH CAROLINA	3.00	3.00	-	-	-	-
SOUTH CAROLINA	2.40	-	-	-	-	-
GEORGIA.	2.00	-	-	-	-	-
FLORIDA, EAST COAST.	2.00	4.00	-	-	1.00	-
FLORIDA, WEST COAST.	2.06	4.00	-	-	1.00	-
ALABAMA.	2.10	-	-	-	-	-
MISSISSIPPI.	2.18	3.43	-	-	-	-
LOUISIANA.	2.00	3.00	-	-	-	-
TEXAS.	1.63	3.43	-	-	1.00	-

SECTION 14 - GLOSSARY

In order to prevent misunderstanding in the use of common names employed in the tables and discussions, the following list of common and scientific names is given for fish, shellfish, and other aquatic products taken by United States fishermen.

Common names as shown in Bureau reports	Other common names	Scientific names
FISH		
Alewives	Branch herring, big-eyed herring, river herring	*Alosa pseudoharengus*
	Blueback, glut herring, shad herring	*Alosa aestivalis*
Amberjack	Jack	*Seriola* species
Anchovies		*Engraulis mordax* (Pacific)
Angelfish		*Pomacanthus* species *Angelichthys* species
Anglerfish	Goosefish, allmouth, headfish, monkfish, bellyfish	*Lophius americanus*
Ballyhoo	Balao	*Hemiramphus brasiliensis*
Barracuda		*Sphyraena* species
Bluefish	Tailor, skipjack	*Pomatomus saltatrix*
Blue pike	Pike perch, hard pike, blue pickerel (Canada)	*Stizostedion vitreum glaucum*
Blue runner	Runner, hardtail, crevalle	*Caranx crysos*
Bonito		*Sarda sarda* (Atlantic) *Sarda chiliensis* (Pacific)
Bowfin	Fresh-water dogfish, grindle	*Amia calva*
Brown trout		*Salmo trutta*
Buffalofish	Winter carp	*Ictiobus* species
Burbot	Lawyer, ling	*Lota lota*
Butterfish		*Poronotus triacanthus*
Cabezone	Marbled sculpin	*Scorpaenichthys marmoratus*
Cabio	Black bonito, cobia, ling, lemonfish	*Rachycentron canadus*
Cabrilla	Rock bass	*Epinephelus analogus* (Pacific)
Carp	German carp, summer carp	*Cyprinus carpio*
Catfish and bullheads		*Ictalurus* species *Pylodictis olivaris*
Chubs	Longjaw, bluefin, blackfin (United States), tullibee (Canada)	All *Leucichthys* except *artedi* (Great Lakes)
Cigarfish	Scad	*Decapterus punctatus*
Cisco	Herring (Canada)	*Leucichthys artedi* (Lake Erie only)
Cod	Codfish	*Gadus morhua* (Atlantic) *Gadus macrocephalus* (Pacific)
Crappie	White crappie, calico bass	*Pomoxis annularis*
	Black crappie	*Pomoxis nigromaculatus*
Crevalle	Common jack, jackfish	*Caranx hippos*
Croaker	Crocus, hardhead	*Micropogon undulatus*
Cunner	Chogset, blue perch, bergall	*Tautogolabrus adspersus*
Cutlassfish	Silver eel	*Trichiurus lepturus*
Cusk		*Brosme brosme*
Dolly Varden trout	Salmon trout, bull trout	*Salvelinus malma*
Dolphin		*Corphaena hippurus*
Drum:		
Black	Oyster cracker, oyster drum, sea drum	*Pogonias cromis*
Red	Channel bass, redfish, spotted bass	*Sciaenops ocellata*

(Continued on next page)

GLOSSARY

Common names as shown in Bureau reports	Other common names	Scientific names
FISH - Continued		
Eel:		
Common		*Anguilla rostrata*
Conger		*Conger oceanicus*
Flounders:		
Atlantic and Gulf Coasts:		
Gray sole		*Glyptocephalus cynoglossus*
Lemon sole	(weighing over 3-1/2 pounds each)	*Pseudopleuronectes americanus*
Blackback	Winter flounder (weighing under 3-1/2 pounds each)	
Yellowtail	Dab	*Limanda ferruginea*
Dab	Sea dab	*Hippoglossoides platessoides*
Fluke	Summer flounder, gulf flounder, flounder	*Paralichthys* species
Pacific Coast:		
Arrowtooth halibut		*Atheresthes stomias*
California halibut		*Paralichthys californicus*
Sand dabs		*Citharichthys sordidus*
"Sole":		
Dover		*Microstomus pacificus*
English		*Parophrys vetulus*
Petrale		*Eopsetta jordani*
Rex		*Glyptocephalus zachirus*
Sand		*Psettichthys melanostictus*
Unclassified		Pleuronectidae and Bothidae
Flying fish		*Cypselurus* species
Garfish	Gar, sea gar	*Lepisosteus* species
Gizzard shad	Nanny shad, mud shad, winter shad	*Dorosoma cepedianum*
Goldfish	Sand perch, gold perch	*Carassius auratus*
Groupers	"Sea bass"	*Epinephelus* species *Mycteroporca* species
Grunts	Margate fish, sailors' choice	*Haemulon* species
Haddock		*Melanogrammus aeglefinus*
Hake:		
Red	Squirrel hake, ling, black hake, mud hake	*Urophycis chuss* (Atlantic)
White	Hake	*Urophycis tenuis* (Atlantic)
Pacific	Merluccio	*Merluccius productus* (Pacific)
Halfmoon	Rudder fish	*Medialuna californiensis*
Halibut		*Hippoglossus hippoglossus* (Atlantic) *Hippoglossus stenolepis* (Pacific)
Hardhead	Sacramento rockfish	*Orthodon microlepidotus* (Pacific)
Harvestfish	Starfish, dollarfish, pappyfish, butterfish (N.C.)	*Peprilus paru*
Herring:		
Lake	Herring	*Leucichthys artedi* (Great Lakes except Erie)
Sea		*Clupea harengus* (Atlantic) *Clupea pallasii* (Pacific)
Thread		*Opisthonema oglinum*

(Continued on next page)

Common names as shown in Bureau reports	Other common names	Scientific names
FISH - Continued		
Hickory shad	Tailor shad, skip, autumnal herring	*Alosa mediocris*
Hogchoker		*Trinectes maculatus*
Hogfish	Capitaine, perro perro	*Lachnolaimus maximus*
Jack mackerel	Horse mackerel	*Trachurus symmetricus*
Jewfish		*Promicrops itaiara*
King croaker	Kingfish, white croaker	*Genyonemus lineatus*
King mackerel	Cero, kingfish	*Scomberomorus cavalla* *Scomberomorus regalis*
King whiting or "kingfish"	Whiting, sea mink, ground mullet	*Menticirrhus* species
Lake trout		*Salvelinus namaycush*
Lamprey		*Petromyzon marinus* (Atlantic) *Lampetra tridentatas* (Pacific)
Launce	Sand eel, lant, sand launce	*Ammodytes americanus*
Lingcod	Cultus cod, blue cod, buffalo cod, ling	*Ophiodon elongatus*
Boston mackerel		*Scomber scombrus* (Atlantic)
Pacific mackerel		*Scomber japonicus*
Menhaden	Mossbunker, pogy, fatback	*Brevoortia* species
Minnows		Cyprinidae
Mojarra	Sand perch, sand bream	Gerridae
Mooneye	Goldeye, toothed herring	*Hiodon* species
Mullet	Jumping mullet, striped mullet, silver mullet	*Mugil* species
Muttonfish	Mutton snapper	*Lutjanus analis*
Ocean perch:		
Atlantic	Rosefish, redfish, red perch	*Sebastes marinus*
Pacific		*Sebastodes alutus*
Ocean pout	Eelpout, sea pout	*Macrozoarces americanus*
Opaleye		*Girella nigricans*
Paddlefish	Spoonbill cat	*Polyodon spathula*
Perch	Surffish	Embiotocidae (Pacific)
Permit		*Trachinotus goodei*
Pigfish	Hogfish (N.C.)	*Orthopristis chrysopterus*
Pike or pickerel	Great Lakes pike	*Esox* species
Pinfish	Bream, salt-water bream	*Lagodon rhomboides*
Pollock	Boston bluefish	*Pollachius virens* (Atlantic)
Pompano		*Trachinotus* species (Atlantic) *Palometa simillima* (Pacific)
Quillback	Spearfish or skimfish	*Carpiodes* species
Ratfish		*Hydrolagus colliei*
Rock bass	Redeye, goggle-eye, groupers, sand bass	*Ambloplites rupestris* (fresh-water) *Paralabrax nebulifer* (Pacific)
Rockfishes	Rock cod, snapper	*Sebastodes* species (Pacific)
Sablefish	Black cod	*Anoplopoma fimbria*
Salmon:		
Atlantic		*Salmo salar* (Atlantic)
Pacific:		
Chinook or king	Tyee, spring	*Oncorhynchus tshawytscha*
Chum or keta	Fall, dog	*Oncorhynchus keta*
Pink	Humpback	*Oncorhynchus gorbuscha*
Red or sockeye	Blueback	*Oncorhynchus nerka*
Silver or coho		*Oncorhynchus kisutch*

(Continued on next page)

Common names as shown in Bureau reports	Other common names	Scientific names
FISH - Continued		
Sand perch	Yellowtail, silver perch	*Bairdiella chrysura*
Sardine (Pacific)	Pilchard	*Sardinops caerulea* (Pacific)
Sauger	Sand pike	*Stizostedion canadense*
Saury	Mackerel-pike	*Cololabis saira*
Sawfish		*Pristis pectinatus*
Sculpin	Scorpionfish	*Myoxocephalus* species
Scup or porgy	Porgee, paugy, fair maid	*Calamus and Stenotomus* species
Sea bass:		
Black	Black jewfish (Pacific)	*Stereolepis gigas*
	Blackfish (Atlantic)	*Centropristes striatus*
White		*Cynoscion nobilis* (Pacific)
Sea catfish	Gafftopsail	*Bagre marinus*
Sea robin		*Prionotus* species
Sea trout or weakfish:		
Gray	Gray trout, squeteague	*Cynoscion regalis*
Spotted	Spotted trout, speckled trout	*Cynoscion nebulosus*
White	White trout, sand trout	*Cynoscion arenarius*
Shad	American shad, white shad	*Alosa sapidissima*
Sharks:		
Grayfish	Dogfish, spiny and smooth dog	*Squalus* and *Mustelus* species
Soupfin		*Galeorhinus zyopterus*
Other		*Carcharodon, Carcharias, Sphryna, Prionace and Lamna* species
Sheepshead:		
Fresh-water	Fresh-water drum, gaspergou, gou	*Aplodinotus grunniens*
Salt-water		*Archosargus* species (Atlantic)
	California redfish, fathead	*Pimelometopon pulcher* (Pacific)
Sierra		*Scomberomorus sierra* (Pacific)
Silversides	Spearing	*Menidia* species
Skates	Ray, rajafish	*Raja* species
Smelt		*Osmerus mordax* (Atlantic and Great Lakes), Atherinidae and Osmeridae (Pacific)
	Eulachon	*Thaleichthys pacificus*
Snapper:		
Mangrove	Gray snapper	*Lutjanus griseus*
Red		*Lutjanus blackfordii*
Vermilion		*Rhomboplites* species
White		*Lutjanus griseus*
Yellowtail		*Ocyurus chrysurus*
Snook	Robalo, sergeantfish, pike	*Centropomus undecimalis*
Spadefish	Angelfish	*Chaetodipterus faber*
Spanish mackerel	Mackerel	*Scomberomorus maculatus*
Spanish sardine		*Sardinella anchovia*
Splittail		*Pogonichthys macrolepidotus*
Spot	Lafayette, goody	*Leiostomus xanthurus*
Steelhead trout	Salmon trout	*Salmo gairdneri*

(Continued on next page)

Common names as shown in Bureau reports	Other common names	Scientific names
FISH - Continued		
Striped bass	Rockfish, rock	*Roccus saxatilis*
Sturgeon:		
Common		*Acipenser* species
Shovelnose		*Scaphirhynchus platorynchus*
Suckers	Fresh-water mullet, redfin, bayfish	*Catostomus* species
Sunfish	Bream, perch, bluegill	*Lepomis* species
Swellfish	Puffer, swell toad, globefish, blowfish	*Sphaeroides maculatus*
Swordfish		*Xiphias gladius*
Tautog	Blackfish, oysterfish	*Tautoga onitis*
Tenpounder	Big-eyed herring, ladyfish	*Elops saurus*
Thimble-eyed mackerel	Chub mackerel, bullseye mackerel	*Pneumatophorus colias*
Tilefish		*Lopholatilus chamaeleonticeps*
Tomcod	Frost fish	*Microgadus tomcod* (Atlantic) *Microgadus proximus* (Pacific)
Triggerfish		*Balistes* species
Tripletail	Sunfish (N.C.), blackfish	*Lobotes surinamensis*
Tullibee	(See chubs)	
Tuna:		
Albacore	Longfin tuna	*Thunnus alalunga*
Bluefin	Horse mackerel	*Thunnus thynnus*
Little	Bonito, albacore, false albacore	*Euthynnus alletteratus*
Skipjack	Striped tuna	*Katsuwonus pelamis*
Yellowfin		*Thunnus albacares*
Turbot		Pleuronectidae (Pacific)
Wahoo		*Acanthocybium solandri*
Warsaw	Black Jewfish	*Garrupa nigrita*
Whitebait	Silversides	*Menidia beryllina* (Atlantic) Small fry of several species (Pacific)
White bass	White lake bass	*Roccus chrysops*
Whitefish:		
Common		*Coregonus clupeaformis*
Menominee		*Prosopium quadrilaterale*
White perch		*Morone americana*
Whiting	Silver hake	*Merluccius bilinearis*
Wolffish	Ocean catfish (New England)	*Anarhichas lupus*
Yellow bass	Bar fish	*Roccus mississippiensis*
Yellow perch	Ringed perch, perch	*Perca flavescens*
Yellow pike	Wall-eyed pike, pike perch, dore (Canadian)	*Stizostedion vitreum vitreum*
Yellowtail	(For Atlantic, see snapper, yellowtail)	*Seriola dorsalis* (Pacific)
CRUSTACEANS		
Crabs:		
Blue:		
Hard	Hard-shell crab	*Callinectes sapidus*
Soft and peeler	Soft-shell crab	
Dungeness		*Cancer magister*
King	Alaska king crab	*Paralithodes camschatica*

(Continued on next page)

Common names as shown in Bureau reports	Other common names	Scientific names
CRUSTACEANS - Continued		
Crabs: - Continued		
Rock		*Cancer irroratus* (New England) *Cancer* species (California)
Stone		*Menippe mercenaria*
Crawfish:		
Fresh-water	Crayfish	*Cambarus* species (Atlantic) *Astacus* species (Pacific)
Salt-water	(See lobsters, spiny)	
Horseshoe crab	King crab	*Limulus* species
Lobsters:		
Northern		*Homarus americanus* (Atlantic)
Spiny	Sea crawfish, rock lobster	*Panulirus argus* (Atlantic) *Panulirus interruptus* (Pacific)
Shrimp	Prawn	*Penaeus*, *Pandalus*, and *Xiphopenaeus* (Atlantic), *Pandalus*, *Pandalopsis*, and *Crangon* species (Pacific)
MOLLUSKS		
Abalone		*Haliotis* species
Clams:		
Cockle		*Cardium corbis* (Pacific)
Hard	Butter	*Saxidomus nuttalli* (Pacific)
	Little neck	*Protothaca staminea* (Pacific)
	Round clam, cherrystone, quahog, little neck	*Venus mercenaria*, *Mercenaria mercenaria*
Ocean quahog		*Arctica islandica*
Razor		*Ensis* species (Atlantic) *Siliqua patula* (Pacific)
Soft	Soft-shell clam, sand clam, nannynose, maninose	*Mya arenaria*
Surf	Skimmer	*Spisula solidissima*
Conchs		*Strombus* species *Busycon* species
Mussels:		
Sea		*Mytilus californianus* (Pacific) *Mytilus edulis* (Atlantic)
Fresh-water:		
Mussel shells		Unionidae
Pearls and slugs		
Octopus	Devilfish	*Paroctopus appollyon*
Oysters:		
Eastern	Cove	*Crassostrea virginica*
Pacific	Japanese	*Crassostrea gigas*
Western	Olympia, native	*Ostrea lurida*
Periwinkles or cockles		*Littorina* species
Scallops:		
Bay		*Pecten* species (Atlantic) *Pecten caurinus* (Pacific)
Sea		*Placopecten magellanicus*

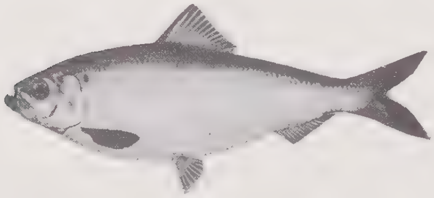
(Continued on next page)

Common names as shown in Bureau reports	Other Common names	Scientific names
MOLLUSKS - Continued		
Squid	Inkfish, bone squid, taw taw	*Loligo opalescens* (Pacific) *Loligo pealii* (Atlantic)
OTHER		
Sea urchins	Sea eggs	*Strongylocentrotus drobachiensis*
Terrapin	Diamond-back terrapin	*Malaclemys* species
Turtles:		
Baby		(Young of fresh-water species)
Green		*Chelonia mydas*
Loggerhead		*Caretta* species
Sliders		*Pseudemys* species
Snapper	Hard-shell, alligator turtle	*Chelydra serpentina* *Macrochelys temmickii*
Soft-shell		*Amyda* species
Frogs		*Rana* species
Irish moss		*Chondrus crispus*
Kelp		*Macrocystis* species
Sponges:		
Glove		*Hippiospongia conaliculata*
Grass		*Spongia graminea*
Sheepswool	Wool	*Hippiospongia lachne*
Yellow		*Spongia barbara*
Whales:		
Blue		*Balaenoptera musculus*
Bottlenose		*Berardius bairdi*
Fin		*Balaenoptera physalus*
Humpback		*Megaptera* species
Sei		*Balaenoptera borealis*
Sperm		*Physeter catodon*
Bloodworms		Glyceridae
Sandworms		*Nereis* species

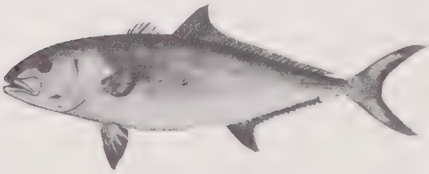
SECTION 15 - PICTORIAL SECTION

As many of the readers of this publication may not be familiar with all of the species of fish and shellfish, etc., taken commercially in the United States, illustrations of many of the various species are included in the following pages. The descriptive material appearing with each species includes the areas in which commercial landings are made in the United States and does not constitute the extreme limits in which they occur. Similarly, the gear listed for each species do not represent the only types of apparatus by which these species are obtained, but represent those types which are normally used in their capture. The gear do not necessarily appear in the order of their importance. Illustrations of species landed in Hawaii are not included in this section.

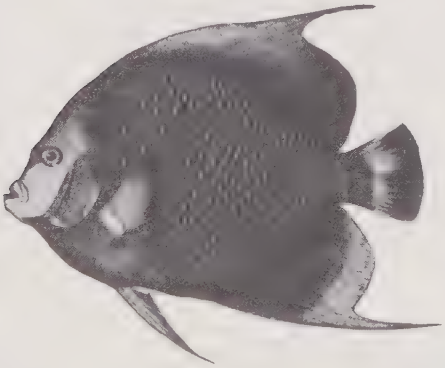
For more detailed information on the nomenclature of the fishery products listed below, the reader is referred to Section 14 of this publication entitled, "Glossary."



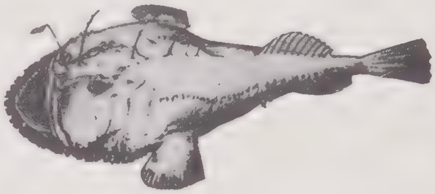
ALEWIFE
RANGE - FLORIDA TO NEW ENGLAND
GEAR - POUND NETS, GILL NETS, WEIRS, DIP NETS, HAUL SEINES, FLOATING TRAPS, FYKE NETS



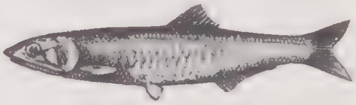
AMBERJACK
RANGE - FLORIDA
GEAR - HANDLINES, TROLL LINES



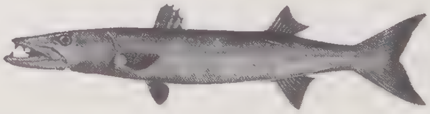
ANGELFISH
RANGE - FLORIDA
GEAR - HAUL SEINES



ANGLERFISH
RANGE - NEW JERSEY TO MASSACHUSETTS
GEAR - OTTER TRAWLS, POUND NETS

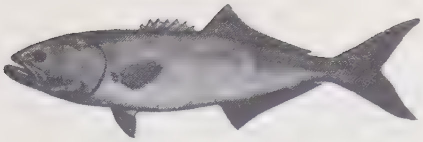


ANCHOVY
RANGE - CALIFORNIA TO WASHINGTON
GEAR - PURSE SEINES AND HAUL SEINES

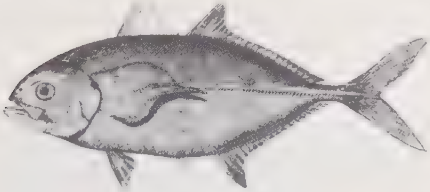


BARRACUDA (ATLANTIC)
RANGE - FLORIDA
GEAR - TROLL LINES, HANDLINES

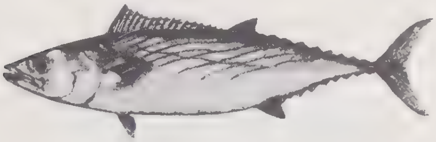
BARRACUDA (PACIFIC)
RANGE - CALIFORNIA
GEAR - PURSE SEINES, LONGLINES, HANDLINES, TROLL LINES, GILL AND TRAMMEL NETS



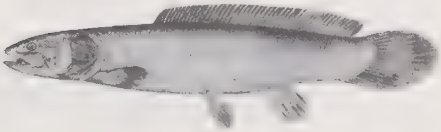
BLUEFISH
RANGE - GULF OF MEXICO TO NEW ENGLAND
GEAR - HAUL SEINES, GILL NETS, POUND NETS, TROLL LINES, PURSE SEINES



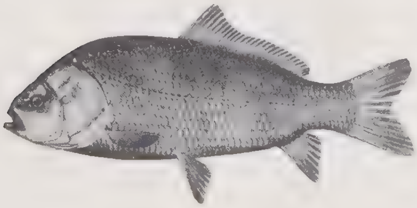
BLUE RUNNER OR HARDTAIL
RANGE - GULF OF MEXICO
GEAR - HAUL SEINES, GILL NETS, POTS



BONITO (ATLANTIC)
RANGE - NORTH CAROLINA TO MASSACHUSETTS
GEAR - POUND NETS, TROLL LINES, GILL NETS

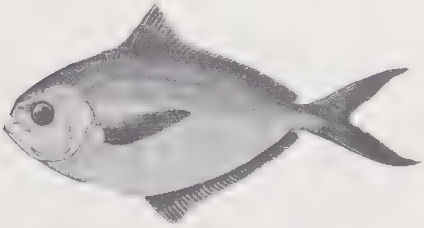


BOWFIN
RANGE - FRESH-WATER
GEAR - HAUL SEINES, TRAP NETS, FYKE NETS

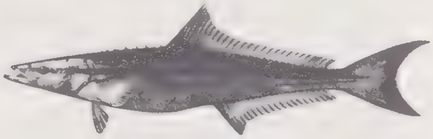


BUFFALOFISH
RANGE - FRESH-WATER
GEAR - HAUL SEINES, FYKE NETS, TRAMMEL NETS, TROTLINES

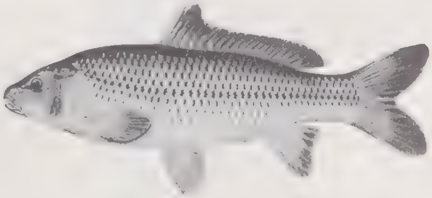
BURBOT
RANGE - GREAT LAKES
GEAR - GILL NETS, FYKE NETS, POUND NETS, TRAP NETS



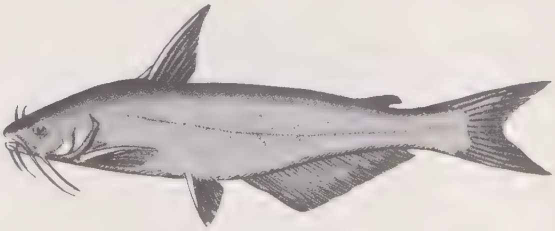
BUTTERFISH
RANGE - FLORIDA TO NEW ENGLAND
GEAR - POUND NETS, HAUL SEINES, OTTER TRAWLS



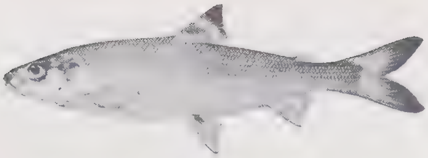
CABIO
RANGE - FLORIDA TO VIRGINIA
GEAR - HANDLINES, POUND NETS



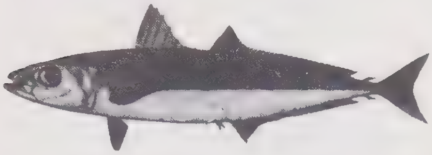
CARP
RANGE - FRESH-WATER
GEAR - HAUL SEINES, GILL NETS, TRAP NETS, FYKE NETS, POUND NETS, TROTLINES



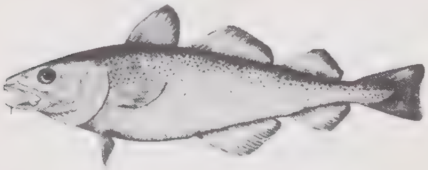
CATFISH
RANGE - FRESH-WATER
GEAR - HAUL SEINES, TROTLINES, POUND NETS, POTS, FYKE NETS



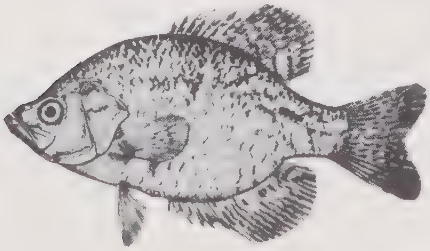
CHUB
RANGE - GREAT LAKES
GEAR - GILL NETS



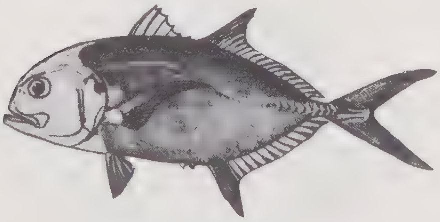
CIGARFISH
RANGE - FLORIDA
GEAR - HAUL SEINES



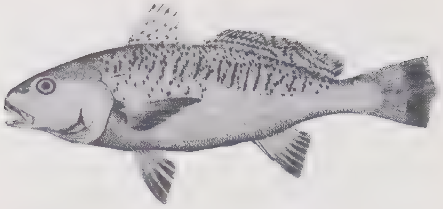
COD
RANGE - VIRGINIA TO MAINE, WASHINGTON, AND ALASKA
GEAR - OTTER TRAWLS, LONGLINES, GILL NETS



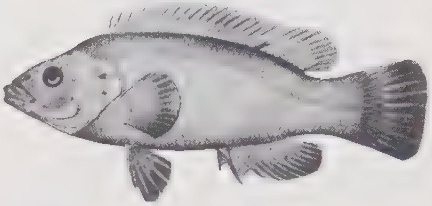
CRAPPIE
RANGE - FRESH-WATER LAKES
GEAR - HAUL SEINES, LINES, POTS



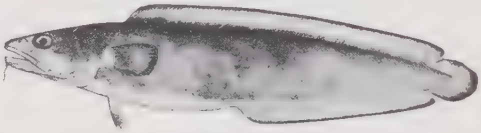
CREVALLE
RANGE - SOUTH ATLANTIC AND GULF STATES
GEAR - HAUL SEINES, GILL NETS, LINES



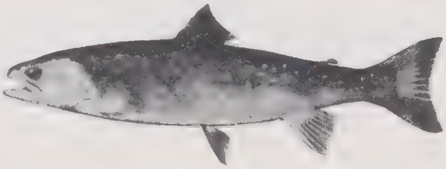
CROAKER
RANGE - GULF OF MEXICO TO NEW YORK
GEAR - POUND NETS, OTTER TRAWLS, HAUL SEINES, GILL NETS



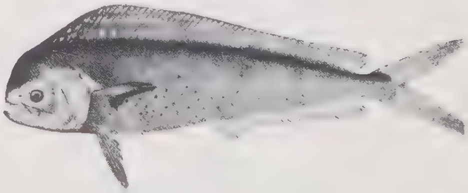
CUNNER
RANGE - NEW ENGLAND
GEAR - OTTER TRAWLS, HANDLINES



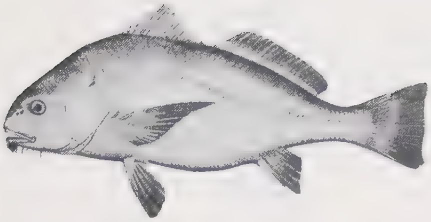
CUSK
RANGE - NEW ENGLAND
GEAR - OTTER TRAWLS, LONGLINES



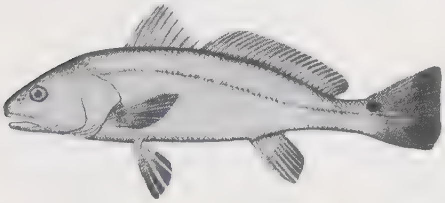
DOLLY VARDEN TROUT
RANGE - PACIFIC
GEAR - POUND NETS, GILL NETS, LINES



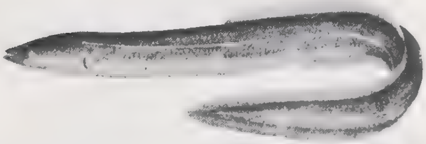
DOLPHIN
RANGE - FLORIDA TO NORTH CAROLINA
GEAR - TROLL LINES



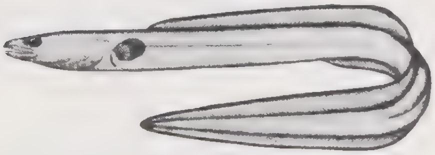
DRUM, BLACK
RANGE - TEXAS TO NORTH CAROLINA
GEAR - HAUL SEINES, POUND NETS, LINES



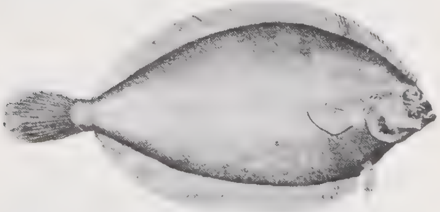
DRUM, RED
RANGE - TEXAS - MARYLAND
GEAR - POUND NETS, HAUL SEINES, GILL NETS, LINES



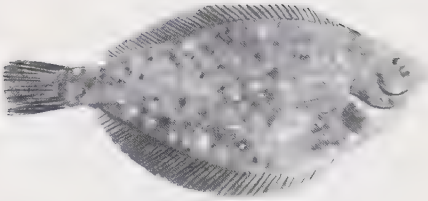
EEL, COMMON
RANGE - FLORIDA TO NEW ENGLAND AND IN MISSISSIPPI RIVER, LAKE ONTARIO
GEAR - POTS, SPEARS, POUND NETS



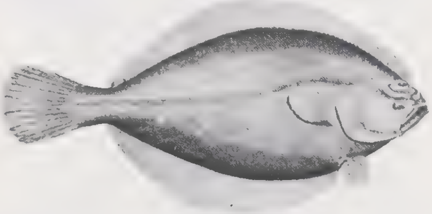
EEL, CONGER
RANGE - FLORIDA TO NEW ENGLAND
GEAR - OTTER TRAWLS



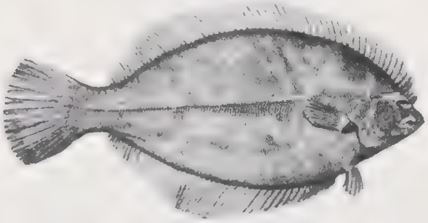
GRAY SOLE
RANGE - MASSACHUSETTS TO MAINE
GEAR - OTTER TRAWLS



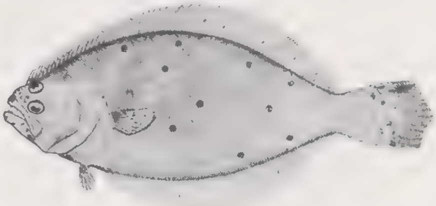
LEMON SOLE
RANGE - NEW YORK TO MAINE
GEAR - OTTER TRAWLS



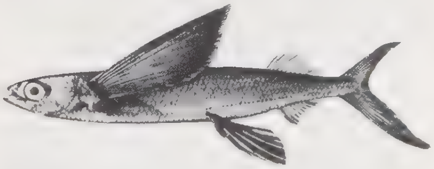
DAB
RANGE - MASSACHUSETTS TO NOVA SCOTIA
GEAR - OTTER TRAWLS, LONGLINES



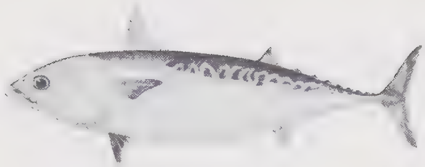
BLACKBACK OR WINTER FLOUNDER
RANGE - NORTH CAROLINA TO MAINE
GEAR - OTTER TRAWLS, POUND NETS, FYKE NETS, SPEARS, LINES



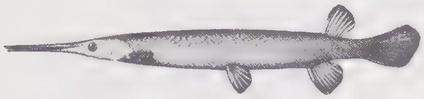
FLUKE
RANGE - TEXAS TO MASSACHUSETTS
GEAR - OTTER TRAWL, SPEARS, LINES



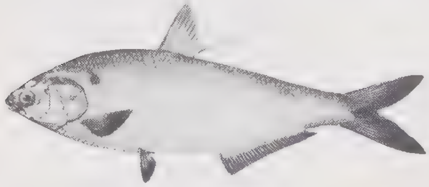
FLYING FISH
RANGE - PACIFIC AND ATLANTIC OCEANS
GEAR - GILL NETS



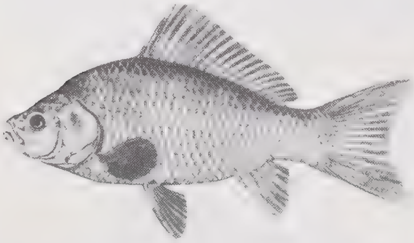
FRIGATE MACKEREL
RANGE - MIDDLE ATLANTIC
GEAR - POUND NETS



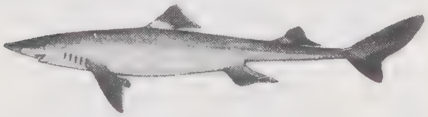
GARFISH
RANGE - FRESH-WATER
GEAR - HAUL SEINES, LINES



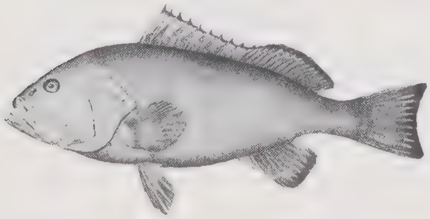
GIZZARD SHAD
RANGE - NORTH CAROLINA TO MARYLAND,
GREAT LAKES
GEAR - HAUL SEINES, POUND NETS, GILL NETS



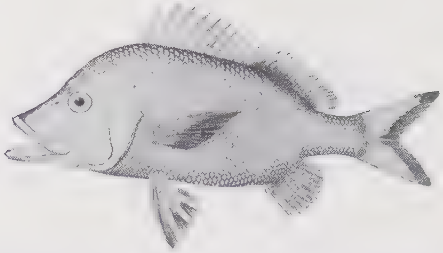
GOLDFISH
RANGE - LAKES AND RIVERS
GEAR - HAUL SEINES, TRAP NETS, FYKE NETS



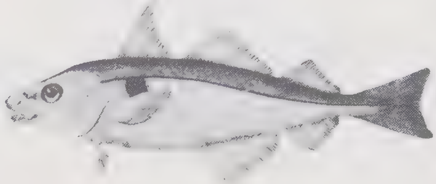
GRAYFISH
RANGE - PACIFIC
GEAR - LONGLINES, OTTER TRAWLS, GILL NETS



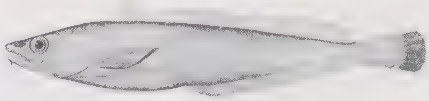
GROUPER
RANGE - TEXAS TO SOUTH CAROLINA
GEAR - HANDLINES, POTS



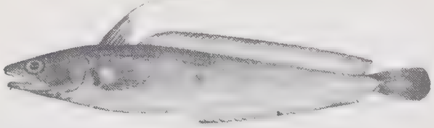
GRUNT
RANGE - FLORIDA
GEAR - POTS, GILL NETS, LINES



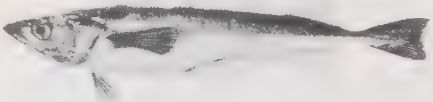
HADDOCK
RANGE - NEW ENGLAND STATES
GEAR - OTTER TRAWLS, GILL NETS, LONGLINES



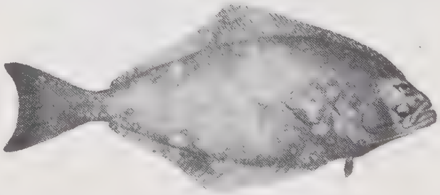
HAKE, RED
RANGE - CHESAPEAKE BAY TO NEW ENGLAND
GEAR - GILL NETS, OTTER TRAWLS, LONGLINES



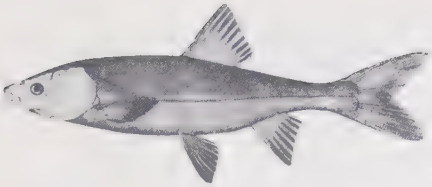
HAKE, WHITE
RANGE - CHESAPEAKE BAY TO NEW ENGLAND
GEAR - GILL NETS, OTTER TRAWLS, LONGLINES



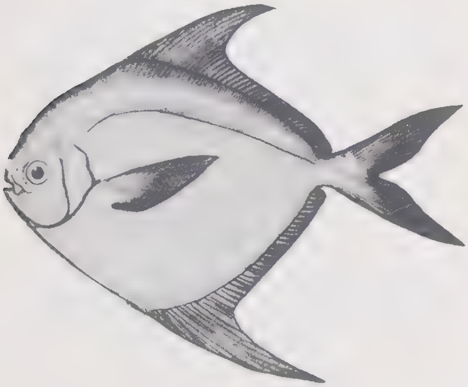
HAKE (PACIFIC)
RANGE - PACIFIC
GEAR - OTTER TRAWLS



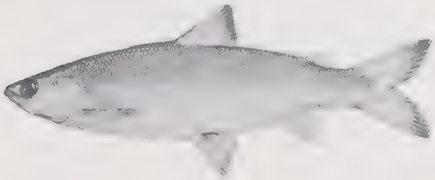
HALIBUT
RANGE - PACIFIC COAST - NEW ENGLAND
GEAR - LONGLINES, OTTER TRAWLS



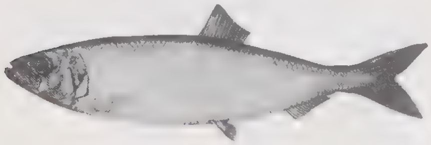
HARDHEAD
RANGE - CALIFORNIA
GEAR - FYKE NETS



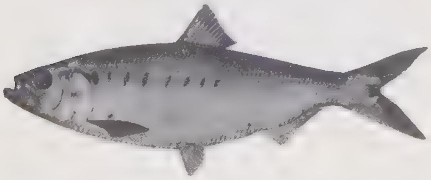
HARVESTFISH OR "STARFISH"
RANGE - NORTH CAROLINA TO CHESAPEAKE BAY
GEAR - HAUL SEINES, POUND NETS



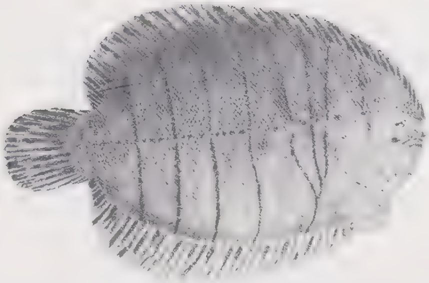
HERRING, LAKE
RANGE - GREAT LAKES
GEAR - GILL NETS, HAUL SEINES, POUND NETS, TRAP NETS



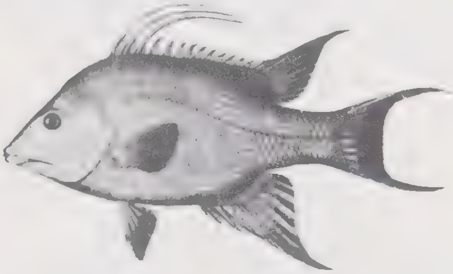
HERRING, SEA
RANGE - NEW JERSEY TO NEW ENGLAND, PACIFIC COAST STATES AND ALASKA
GEAR - PURSE SEINES, WEIRS, FLOATING TRAPS, STOP SEINES



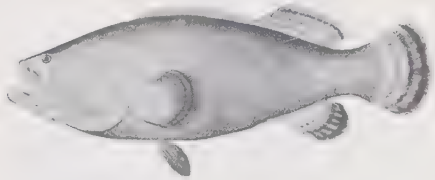
HICKORY SHAD
RANGE - FLORIDA TO RHODE ISLAND
GEAR - POUND NETS, HAUL SEINES, GILL NETS FLOATING TRAPS



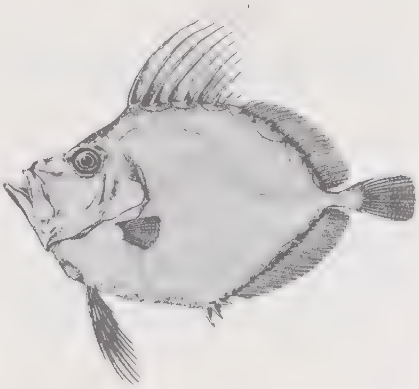
HOGCHOKER
RANGE - CHESAPEAKE BAY
GEAR - POUND NETS, HAUL SEINES



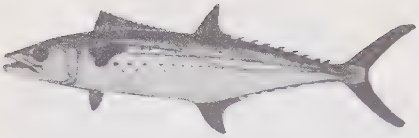
HOGFISH
RANGE - FLORIDA
GEAR - LINES



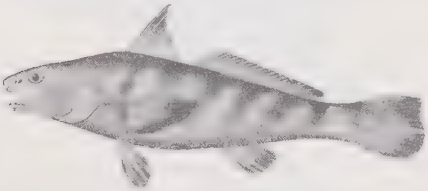
JEWFISH
RANGE - FLORIDA
GEAR - HANDLINES



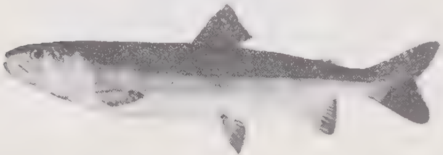
JOHN DORY
RANGE - MIDDLE ATLANTIC STATES
GEAR - OTTER TRAWLS



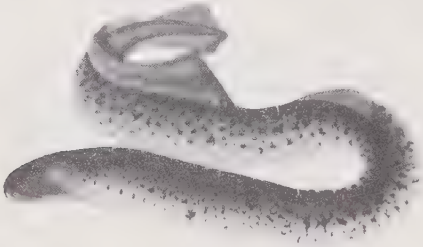
KING MACKEREL
RANGE - TEXAS TO NEW YORK
GEAR - TROLL LINES, GILL NETS, HANDLINES



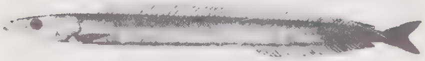
KING WHITING
RANGE - TEXAS TO MASSACHUSETTS
GEAR - OTTER TRAWLS, HAUL SEINES, POUND NETS



LAKE TROUT
RANGE - GREAT LAKES
GEAR - GILL NETS, LINES, POUND NETS (TRAP NETS)

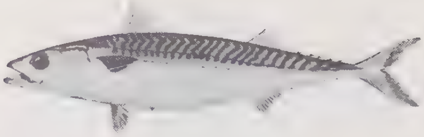


LAMPREY
RANGE - FRESH-WATER
GEAR - POTS, FYKE NETS

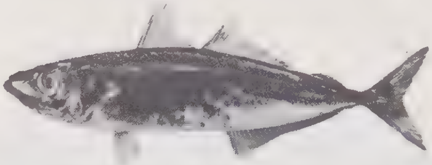


LAUNCE
RANGE - NEW ENGLAND
GEAR - HAUL SEINES

LINGCOD
RANGE - CALIFORNIA TO ALASKA
GEAR - OTTER TRAWLS, LONGLINES, HANDLINES

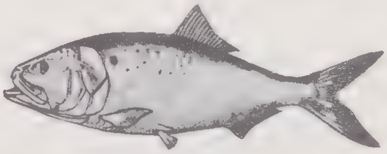


MACKEREL, ATLANTIC
RANGE - CHESAPEAKE BAY TO MAINE
GEAR - PURSE SEINES, GILL NETS, POUND NETS,
FLOATING TRAPS

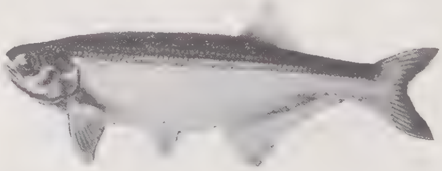


MACKEREL, JACK
RANGE - CALIFORNIA
GEAR - LINES, SEINES, LAMPARA NETS

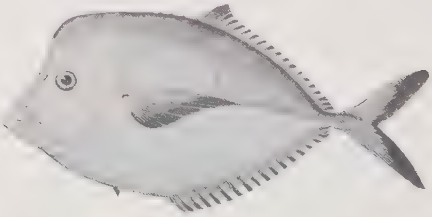
MACKEREL, PACIFIC
RANGE - CALIFORNIA
GEAR - LINES, SEINES. LAMPARA NETS



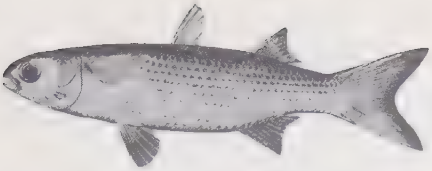
MENHADEN
RANGE - GULF OF MEXICO TO NEW ENGLAND
GEAR - PURSE SEINES. POUND NETS



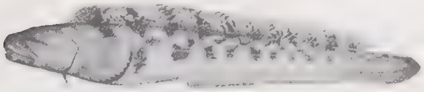
MOONEYE
RANGE - GREAT LAKES
GEAR - HAUL SEINES



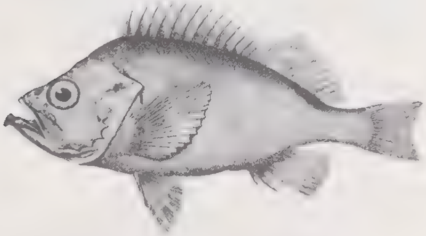
MOONFISH
RANGE - FLORIDA
GEAR - HANDLINES, HAUL SEINES



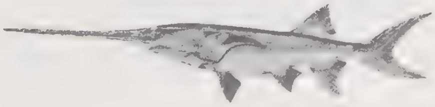
MULLET
RANGE - TEXAS TO NEW JERSEY
GEAR - GILL NETS, HAUL SEINES, POUND NETS, CAST NETS



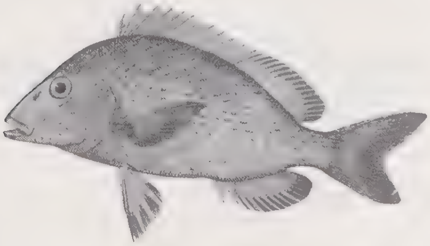
OCEAN POUT
RANGE - NEW ENGLAND
GEAR - OTTER TRAWLS



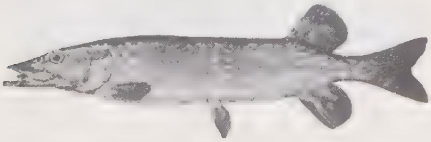
OCEAN PERCH
RANGE - NEW ENGLAND
GEAR - OTTER TRAWLS



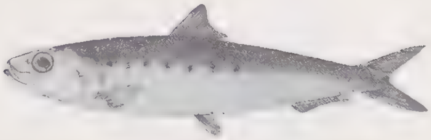
PADDLEFISH
RANGE - GULF OF MEXICO, MISSISSIPPI RIVER
GEAR - HAUL SEINES, TROTLINES



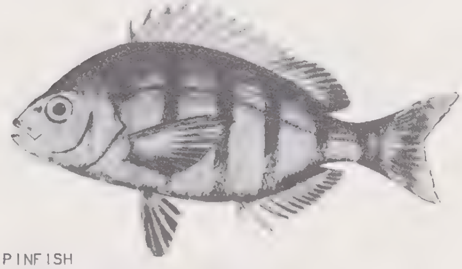
PIGFISH
RANGE - FLORIDA
GEAR - POTS, HANDLINES, GILL NETS



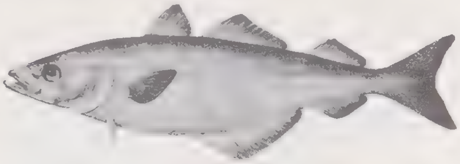
PIKE OR PICKEREL
RANGE - FRESH-WATER
GEAR - TRAP NETS, FYKE NETS, GILL NETS, POUND NETS, HANDLINES



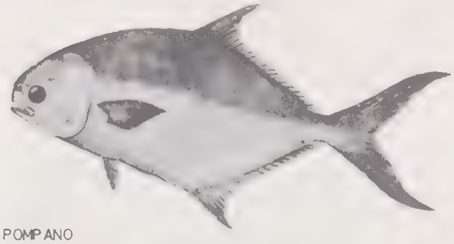
SARDINE, PACIFIC (PILCHARD)
RANGE - CALIFORNIA TO WASHINGTON
GEAR - PURSE SEINES, LAMPARA AND RING NETS, GILL NETS



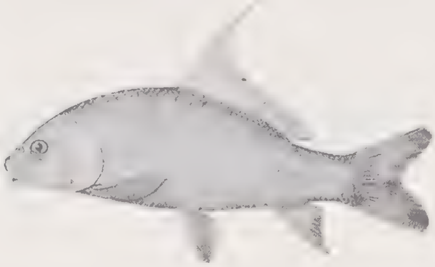
PINFISH
RANGE - FLORIDA TO NORTH CAROLINA
GEAR - HAUL SEINES, GILL NETS



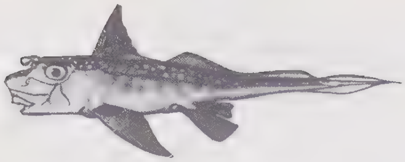
POLLOCK
RANGE - MIDDLE ATLANTIC AND NEW ENGLAND STATES
GEAR - LONGLINES, FLOATING TRAPS, POUND NETS, OTTER TRAWLS, GILL NETS



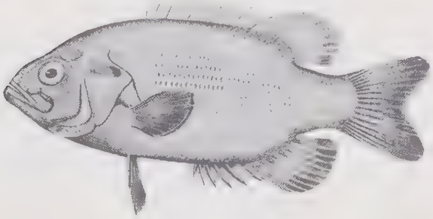
POMPANO
RANGE - TEXAS TO NORTH CAROLINA
GEAR - TRAMMEL NETS, HAUL SEINES, GILL NETS, HANDLINES



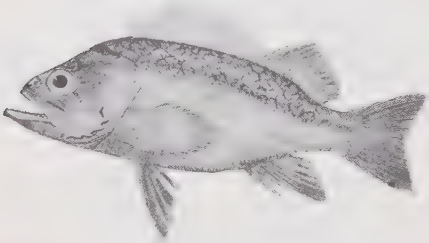
QUILLBACK
RANGE - FRESH-WATER
GEAR - HAUL SEINES, TROTLINES, FYKE NETS



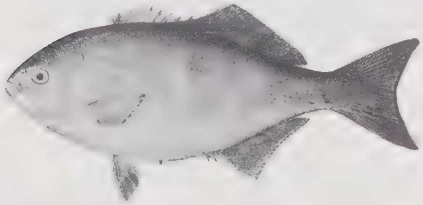
RATFISH
RANGE - WASHINGTON TO ALASKA
GEAR - BEAM TRAWLS, LONGLINES



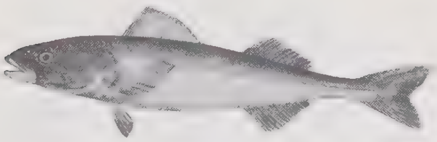
ROCK BASS
RANGE - GREAT LAKES
GEAR - TRAP NETS, FYKE NETS, HAUL SEINES,
GILL NETS



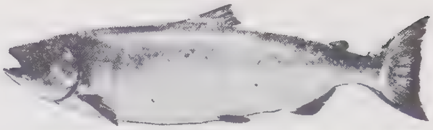
ROCKFISH
RANGE - CALIFORNIA TO ALASKA
GEAR - LINES, OTTER TRAWLS, PARANZELLA NETS,
GILL NETS



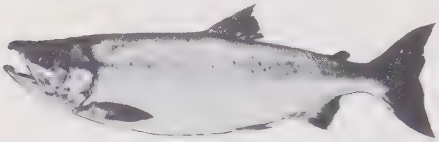
RUDDERFISH
RANGE - CALIFORNIA
GEAR - LAMPARA AND RING NETS



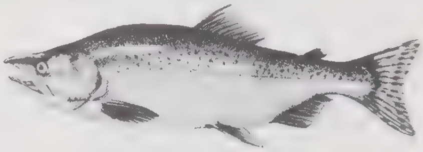
SABLEFISH
RANGE - PACIFIC COAST STATES AND ALASKA
GEAR - LONGLINES, OTTER TRAWLS



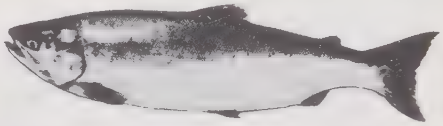
SALMON, CHINOOK OR KING
RANGE - CALIFORNIA TO ALASKA
GEAR - POUND NETS, PURSE SEINES, GILL NETS,
HAUL SEINES, TROLL LINES, REEF NETS



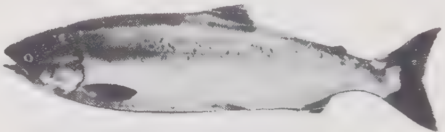
SALMON, CHUM OR KETA
RANGE - OREGON TO ALASKA
GEAR - POUND NETS, PURSE SEINES, GILL NETS,
HAUL SEINES, REEF NETS



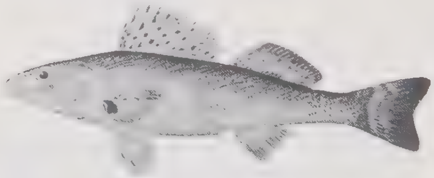
SALMON, PINK
RANGE - WASHINGTON TO ALASKA
GEAR - PURSE SEINES, POUND NETS, GILL NETS
REEF NETS



SALMON, RED OR SOCKEYE
RANGE - OREGON TO ALASKA
GEAR - GILL NETS, PURSE SEINES, POUND NETS,
REEF NETS

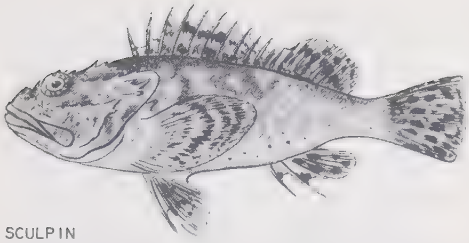


SALMON, SILVER OR COHO
RANGE - CALIFORNIA TO ALASKA
GEAR - HAUL SEINES, PURSE SEINES, GILL NETS,
TROLL LINES, POUND NETS, REEF NETS

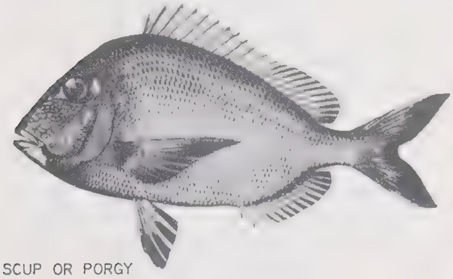


SAUGER
RANGE - GREAT LAKES
GEAR - GILL NETS, HAUL SEINES, TRAP NETS,
FYKE NETS

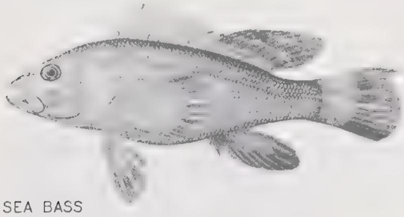
PICTORIAL SECTION



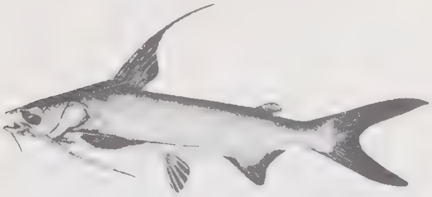
SCULPIN
RANGE - PACIFIC COAST STATES AND ALASKA
GEAR - LINES, GILL NETS, POTS



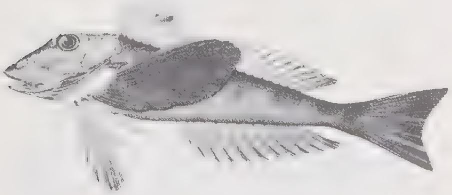
SCUP OR PORGY
RANGE - FLORIDA TO NEW ENGLAND
GEAR - OTTER TRAWLS, POUND NETS



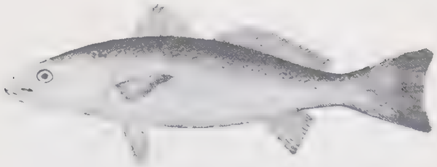
SEA BASS
RANGE - FLORIDA TO NEW ENGLAND
GEAR - OTTER TRAWLS, HANDLINES, POTS



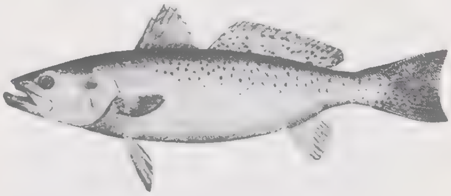
SEA CATFISH
RANGE - TEXAS TO CHESAPEAKE BAY
GEAR - OTTER TRAWLS, HAUL SEINES, HANDLINES



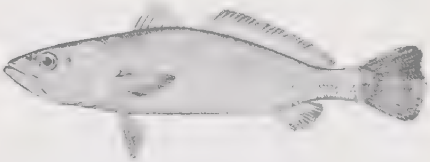
SEA ROBIN
RANGE - CHESAPEAKE BAY TO NEW ENGLAND
GEAR - POUND NETS, OTTER TRAWLS



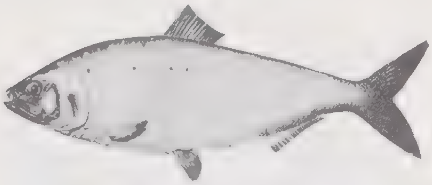
SEA TROUT OR WEAKFISH, GRAY
RANGE - FLORIDA TO MASSACHUSETTS
GEAR - OTTER TRAWLS, POUND NETS, PURSE SEINES,
GILL NETS, HAUL SEINES



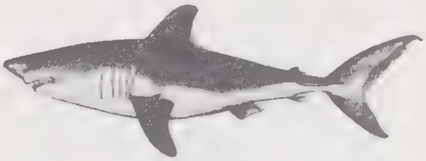
SEA TROUT OR WEAKFISH, SPOTTED
RANGE - MARYLAND TO TEXAS
GEAR - GILL NETS, TRAMMEL NETS, HAUL SEINES,
POUND NETS, OTTER TRAWLS, HANDLINES



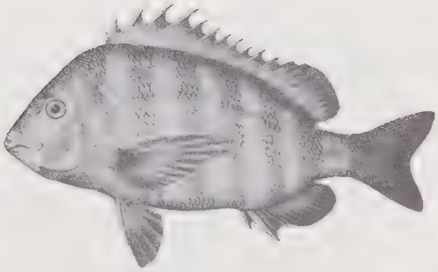
SEA TROUT OR WEAKFISH, WHITE
RANGE - GULF OF MEXICO
GEAR - GILL NETS, HAUL SEINES, HANDLINES



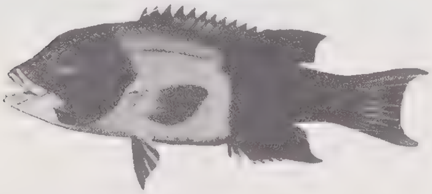
SHAD
RANGE - FLORIDA TO NEW ENGLAND
GEAR - GILL NETS, POUND NETS, FYKE NETS,
HAUL SEINES



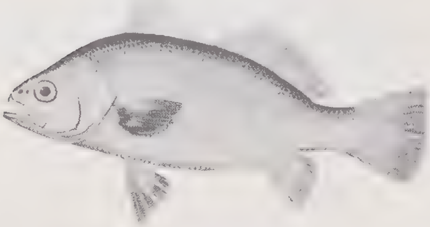
SHARK
RANGE - ATLANTIC COAST, GULF, PACIFIC COAST STATES
GEAR - LONGLINES, GILL NETS, OTTER TRAWLS



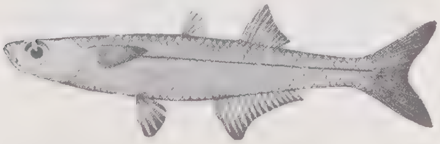
SHEEPSHEAD
RANGE - TEXAS TO CHESAPEAKE BAY
GEAR - HANDLINES, POTS



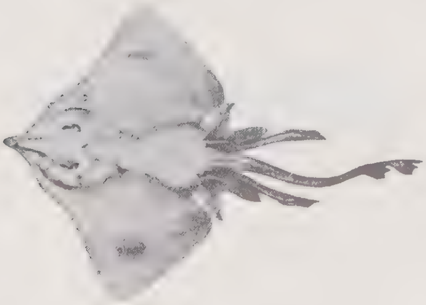
SHEEPSHEAD, CALIFORNIA
RANGE - CALIFORNIA
GEAR - LONGLINES, TRAMMEL NETS



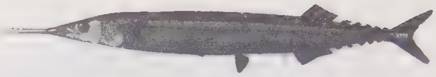
SAND PERCH
RANGE - TEXAS TO NEW YORK
GEAR - HAUL SEINES, GILL NETS, POUND NETS



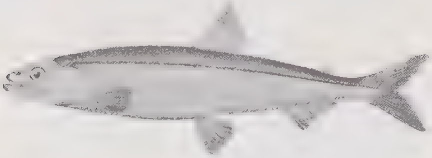
SILVERSIDES
RANGE - NEW YORK
GEAR - HAUL SEINES, OTTER TRAWLS



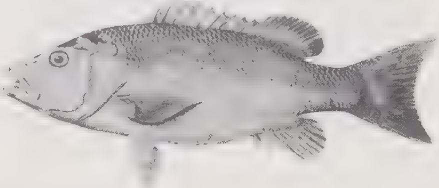
SKATE
RANGE - PACIFIC COAST, CHESAPEAKE BAY TO NEW ENGLAND
GEAR - LINES, OTTER TRAWLS, POUND NETS, HAUL SEINES



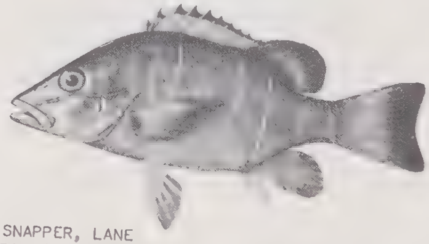
SKIPPER
RANGE - VIRGINIA TO NOVA SCOTIA
GEAR - POUND NETS, WEIRS



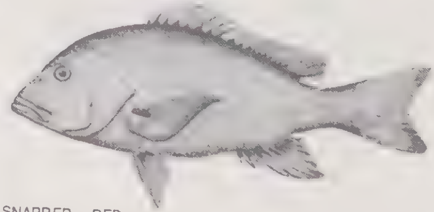
SMELT
RANGE - NEW YORK TO MAINE, PACIFIC OCEAN,
GREAT LAKES
GEAR - POUND NETS, DIP NETS, GILL NETS, HAUL SEINES



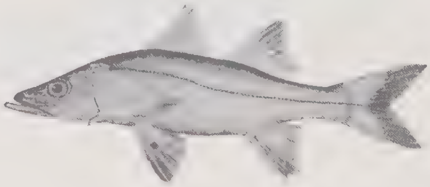
SNAPPER, MANGROVE
RANGE - FLORIDA
GEAR - HANDLINES, GILL NETS



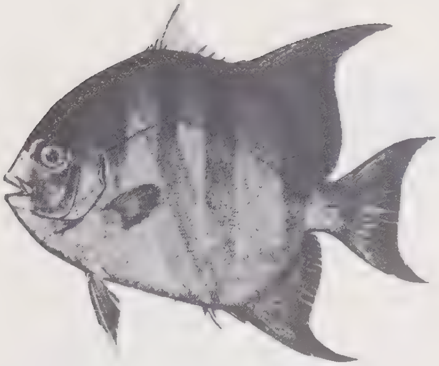
SNAPPER, LANE
RANGE - FLORIDA
GEAR - HANDLINES



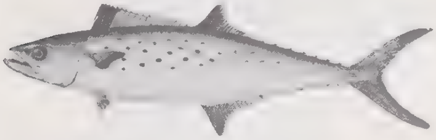
SNAPPER, RED
RANGE - TEXAS TO FLORIDA
GEAR - HANDLINES



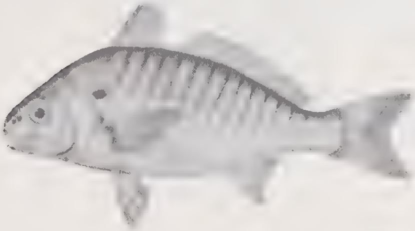
SNOOK
RANGE - TEXAS TO FLORIDA
GEAR - GILL NETS, HANDLINES, HAUL SEINES



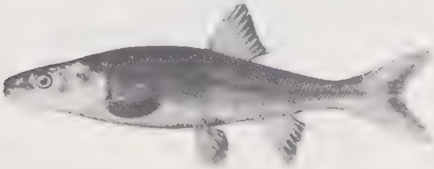
SPADEFISH
RANGE - FLORIDA
GEAR - GILL NETS, TRAMMEL NETS



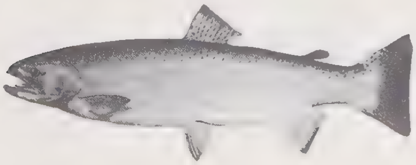
SPANISH MACKEREL
RANGE - TEXAS TO VIRGINIA
GEAR - GILL NETS, LINES, HAUL SEINES



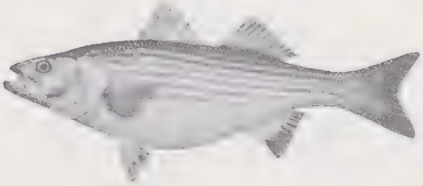
SPOT
RANGE - GULF OF MEXICO TO MIDDLE ATLANTIC STATES
GEAR - HAUL SEINES, GILL NETS, POUND NETS,
OTTER TRAWLS



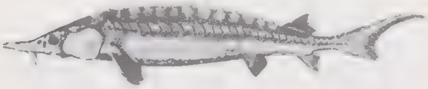
SQUAWFISH
RANGE - CALIFORNIA
GEAR - FYKE NETS, GILL NETS



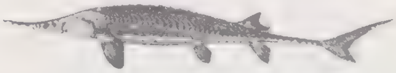
STEELHEAD TROUT
RANGE - OREGON TO ALASKA
GEAR - HAUL SEINES, POUND NETS, GILL NETS,
LINES, DIP NETS



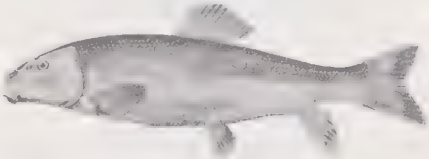
STRIPED BASS
RANGE - NORTH CAROLINA TO NEW ENGLAND, CALIFORNIA
TO OREGON
GEAR - HAUL SEINES, GILL NETS, POUND NETS,
HANDLINES, FYKE NETS



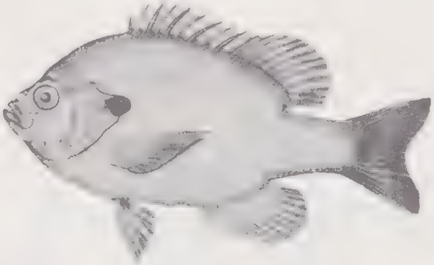
STURGEON
RANGE - COASTAL AND RIVER AREAS
GEAR - GILL NETS, LINES



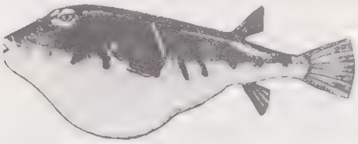
STURGEON, SHOVELNOSE
RANGE - FRESH-WATER
GEAR - HAUL SEINES, LINES, POUND NETS



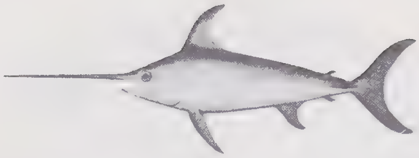
SUCKER
RANGE - FRESH-WATER
GEAR - POUND NETS, FYKE NETS, GILL NETS,
HAUL SEINES, TRAP NETS



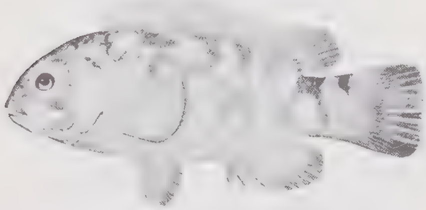
SUNFISH
RANGE - FRESH-WATER
GEAR - POTS, SEINES, TRAP NETS



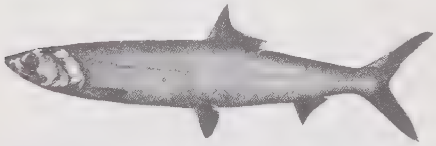
SWELLFISH
RANGE - CHESAPEAKE BAY TO MIDDLE ATLANTIC
GEAR - POUND NETS, HAUL SEINES, OTTER TRAWLS



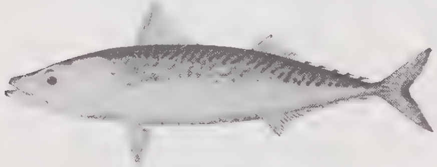
SWORDFISH
RANGE - NEW ENGLAND AND CALIFORNIA
GEAR - HARPOONS



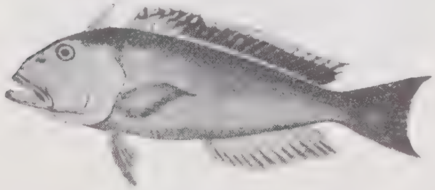
TAUTOG
RANGE - CHESAPEAKE BAY TO NEW ENGLAND
GEAR - POUND NETS, HANDLINES, POTS



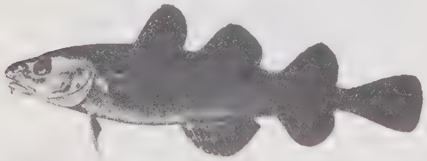
TENPOUNDER
RANGE - FLORIDA
GEAR - HAUL SEINES



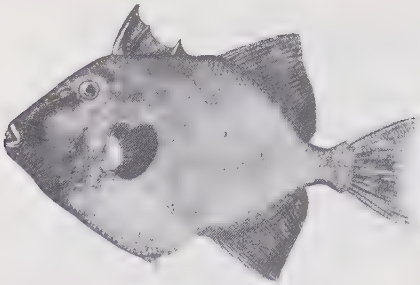
THIMBLE-EYED MACKEREL
RANGE - CHESAPEAKE BAY TO NEW ENGLAND
GEAR - POUND NETS, PURSE SEINES, OTTER TRAWLS



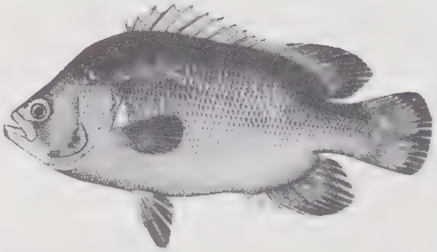
TILEFISH
RANGE - MIDDLE ATLANTIC AND NEW ENGLAND STATES
GEAR - LONGLINES, REEF NETS, OTTER TRAWLS



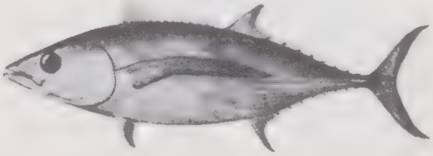
TOMCOD
RANGE - PACIFIC COAST, MIDDLE ATLANTIC AND
NEW ENGLAND STATES
GEAR - OTTER TRAWLS, DIP NETS



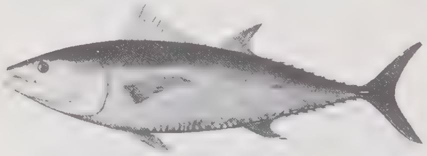
TRIGGERFISH
RANGE - FLORIDA
GEAR - HANDLINES



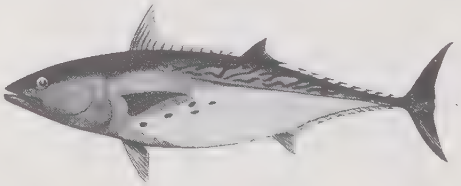
TRIPLETAIL
RANGE - FLORIDA
GEAR - HAUL SEINES, GILL NETS, LINES



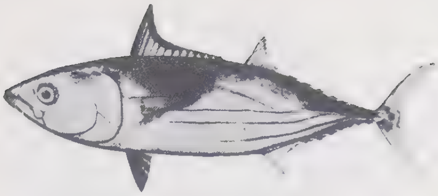
TUNA, ALBACORE
RANGE - PACIFIC COAST
GEAR - LINES



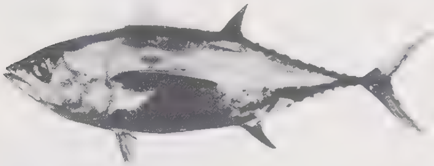
TUNA, BLUEFIN
RANGE - CALIFORNIA, NEW JERSEY TO MAINE
GEAR - PURSE SEINES, LAMPARA NETS, TROLL LINES,
POUND NETS, HARPOONS



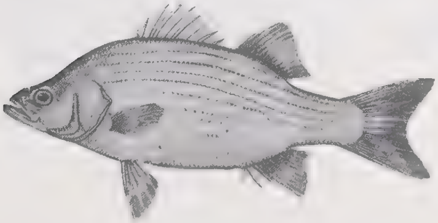
TUNA, LITTLE
RANGE - MASSACHUSETTS TO TEXAS
GEAR - POUND NETS, TROLL LINES, OTTER TRAWLS



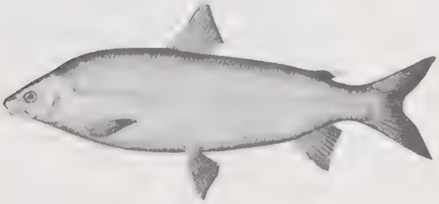
TUNA, SKIPJACK
RANGE - CALIFORNIA
GEAR - LINES AND PURSE SEINES



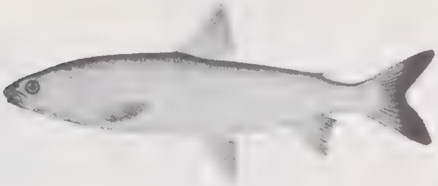
TUNA, YELLOWFIN
RANGE - PACIFIC
GEAR - LINES AND PURSE SEINES



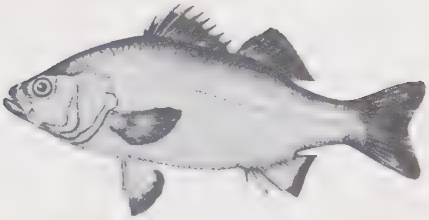
WHITE BASS
RANGE - GREAT LAKES
GEAR - TRAP NETS, FYKE NETS, HAUL SEINES, POUND NETS



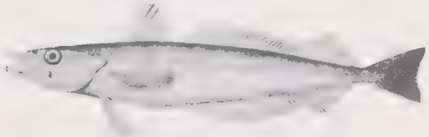
WHITEFISH, COMMON
RANGE - GREAT LAKES
GEAR - GILL NETS, POUND NETS, TRAP NETS



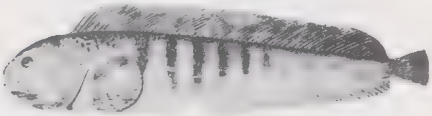
WHITEFISH, MENOMINEE
RANGE - ALASKA, GREAT LAKES
GEAR - GILL NETS, HAUL SEINES, TRAP NETS, POUND NETS



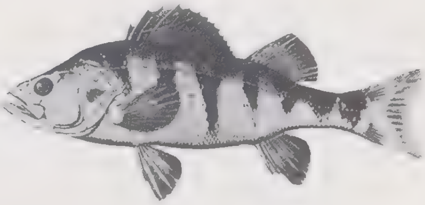
WHITE PERCH
RANGE - NORTH CAROLINA TO MAINE
GEAR - POUND NETS, FYKE NETS, HAUL SEINES



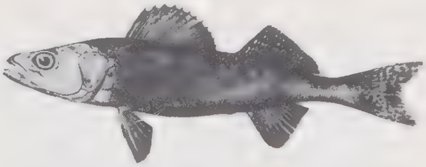
WHITING
RANGE - VIRGINIA TO MAINE
GEAR - OTTER TRAWLS, POUND NETS



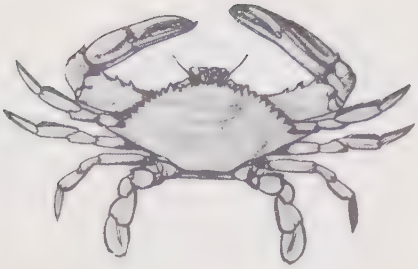
WOLFFISH
RANGE - MASSACHUSETTS AND MAINE
GEAR - OTTER TRAWLS, LONGLINES



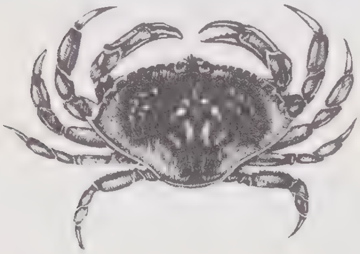
YELLOW PERCH
RANGE - GREAT LAKES, OTHER LAKES
GEAR - GILL NETS, TRAP NETS, POUND NETS, FYKE NETS



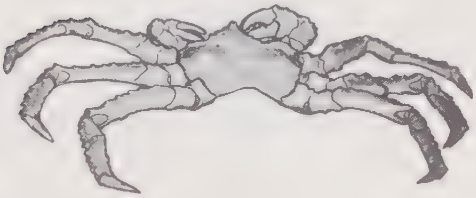
YELLOW PIKE
RANGE - GREAT LAKES
GEAR - POUND NETS, FYKE NETS, GILL NETS, TRAP NETS



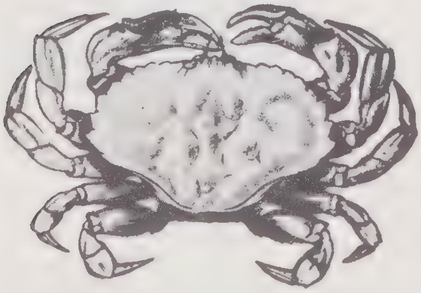
BLUE CRAB
RANGE - TEXAS TO RHODE ISLAND
GEAR - TROTLINES, POTS, FYKE NETS, DIP NETS, SCRAPES, DREDGES



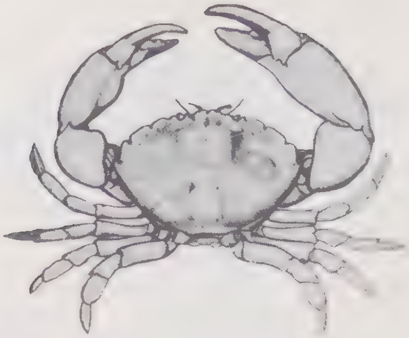
DUNGENESS CRAB
RANGE - PACIFIC COAST STATES AND ALASKA
GEAR - TRAPS



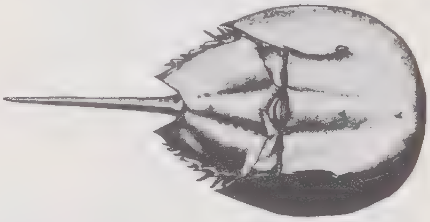
KING CRAB
RANGE - ALASKA
GEAR - OTTER TRAWLS



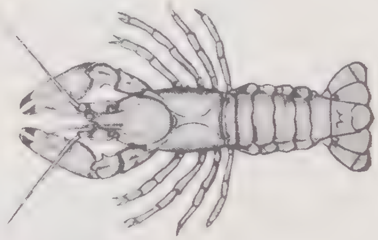
ROCK CRAB
RANGE - NEW ENGLAND
GEAR - POTS



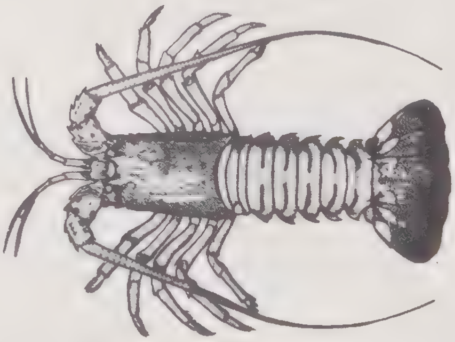
STONE CRAB
RANGE - FLORIDA
GEAR - DIP NETS, CRAB POTS



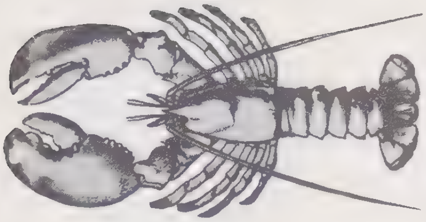
HORSESHOE CRAB
RANGE - MARYLAND TO NEW YORK
GEAR - POUND NETS, WEIRS, BY HAND



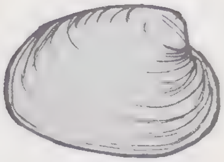
FRESH-WATER CRAWFISH
RANGE - RIVERS AND LAKES
GEAR - POTS



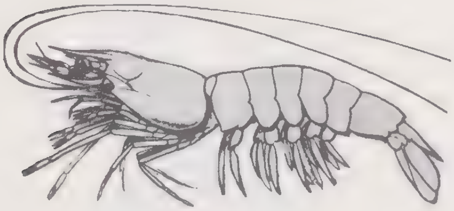
SPINY LOBSTER
RANGE - CALIFORNIA AND FLORIDA
GEAR - DIP NETS, POTS, HOOKS



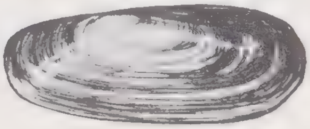
LOBSTER, NORTHERN
RANGE - VIRGINIA TO MAINE
GEAR - POTS, OTTER TRAWLS



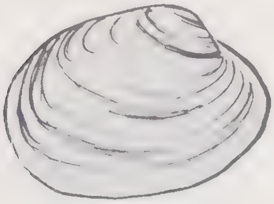
HARD CLAM
RANGE - FLORIDA TO MAINE
GEAR - HOES, DREDGES, TONGS, RAKES, BY HAND



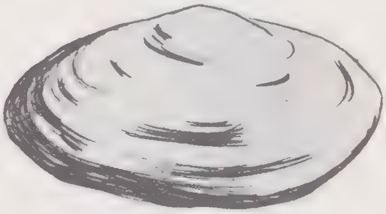
SHRIMP
RANGE - TEXAS TO NORTH CAROLINA, MAINE,
CALIFORNIA, WASHINGTON, AND ALASKA
GEAR - SHRIMP TRAWLS



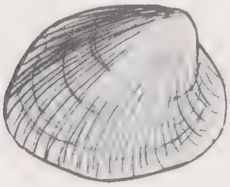
RAZOR CLAM, PACIFIC
RANGE - OREGON, WASHINGTON AND ALASKA
GEAR - SHOVELS



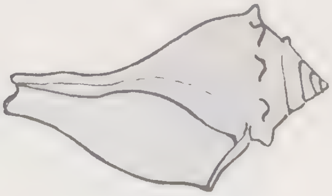
BUTTER CLAM
RANGE - PACIFIC COAST
GEAR - SHOVELS



SOFT CLAM
RANGE - MIDDLE ATLANTIC TO NEW ENGLAND,
PACIFIC COAST STATES
GEAR - FORKS, HOES, RAKES, DREDGES

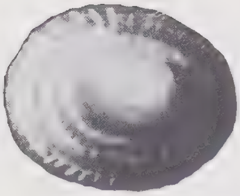


LITTLE NECK CLAM
RANGE - PACIFIC COAST
GEAR - SHOVELS

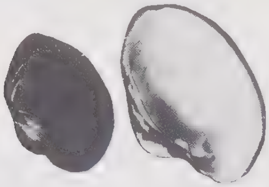


CONCH
RANGE - FLORIDA TO MAINE
GEAR - OTTER TRAWLS, DREDGES, POTS, AND BY HAND

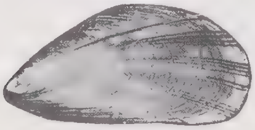
PICTORIAL SECTION



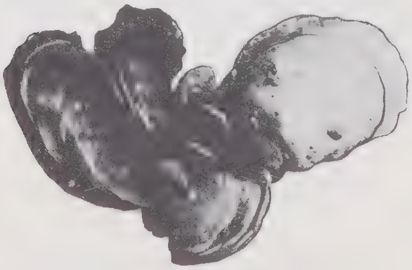
LIMPET
RANGE - NEW YORK AND NEW ENGLAND
GEAR - DREDGES



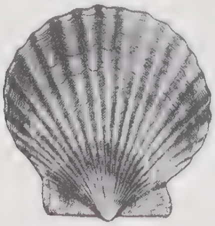
FRESH-WATER MUSSEL
RANGE - FRESH-WATER STREAMS
GEAR - CROWFOOT BARS, PICKS, HAND



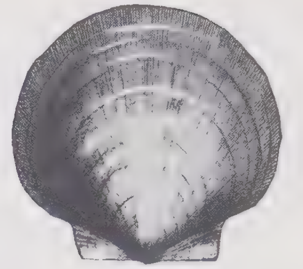
SEA MUSSEL
RANGE - NORTH CAROLINA TO MAINE
GEAR - DREDGES, TONGS, RAKES, HAND



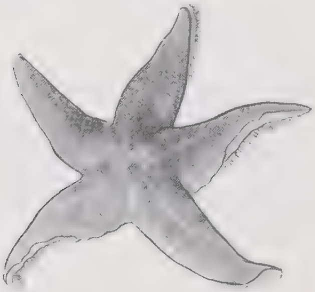
OYSTER
RANGE - TEXAS TO MASSACHUSETTS, PACIFIC COAST
GEAR - TONGS, DREDGES, RAKES, BY HAND



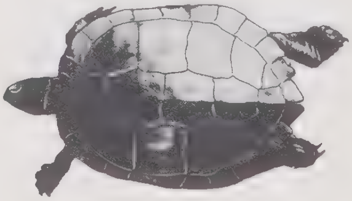
BAY SCALLOP
RANGE - FLORIDA TO MASSACHUSETTS, WASHINGTON
GEAR - DREDGES, SCRAPES, PUSH NETS, TONGS, RAKES, DIP NETS



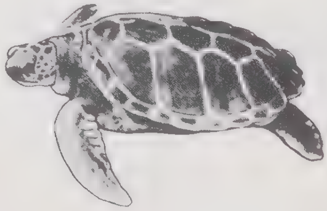
SEA SCALLOP
RANGE - NEW JERSEY TO MAINE
GEAR - DREDGES, OTTER TRAWLS



STARFISH
RANGE - ATLANTIC AND PACIFIC COAST
GEAR - HOOKS, SCRAPES, "MOPS"

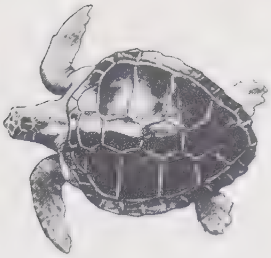


TERRAPIN
RANGE - TEXAS TO NEW JERSEY
GEAR - HAUL SEINES, BY HAND

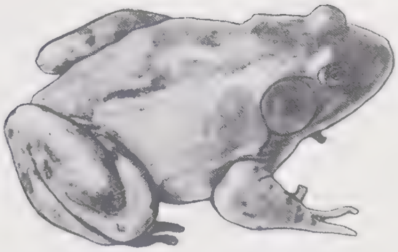


GREEN TURTLE
RANGE - FLORIDA
GEAR - GILL NETS

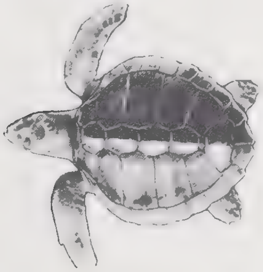
PICTORIAL SECTION



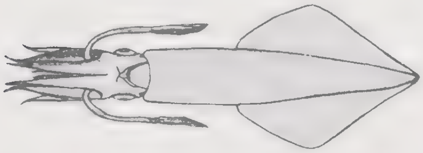
LOGGERHEAD TURTLE
RANGE - FLORIDA TO NEW JERSEY
GEAR - GILL NETS



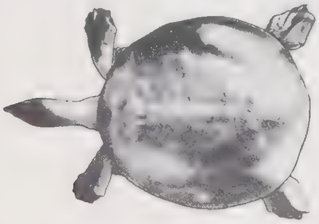
FROG
RANGE - FRESH-WATER, MARSHES, POND
GEAR - SPEARS, GRABS



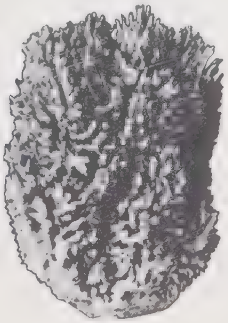
HAWKSBILL TURTLE
RANGE - GULF OF MEXICO, AND ATLANTIC COAST TO NEW YORK
GEAR - BY HAND, POUND NETS



SQUID
RANGE - VIRGINIA TO MAINE, CALIFORNIA AND WASHINGTON
GEAR - LAMPARA NETS, GILL NETS, OTTER TRAWLS, POUND NETS



SOFT-SHELL TURTLE
RANGE - LAKES AND RIVERS
GEAR - HAUL SEINES, FYKE NETS, POTS



SPONGE
RANGE - FLORIDA
GEAR - HOOKS, DIVING OUTFITS

IRISH MOSS
RANGE - NEW ENGLAND
GEAR - RAKES

SECTION 16 - STATISTICAL PUBLICATIONS

The following list of publications includes all reports issued in the Current Fishery Statistics series during 1960.

C. F. S. NO.	TITLE
2206	SOUTH CAROLINA LANDINGS, NOVEMBER, 1959
2207	GEORGIA LANDINGS, NOVEMBER, 1959
2208	TEXAS LANDINGS, NOVEMBER, 1959
2209	FROZEN FISH REPORT, NOVEMBER, 1959
2210	FISHERIES OF THE UNITED STATES AND ALASKA, ANNUAL, 1958
2211	RHODE ISLAND LANDINGS, OCTOBER, 1959
2212	FISH MEAL AND OIL, DECEMBER, 1959
2213	MAINE LANDINGS, NOVEMBER, 1959
2214	NEW YORK LANDINGS, NOVEMBER, 1959
2215	NORTH CAROLINA LANDINGS, DECEMBER, 1959
2216	FLORIDA LANDINGS, NOVEMBER, 1959
2217	FROZEN FISH REPORT, DECEMBER, 1959
2218	OHIO LANDINGS, NOVEMBER, 1959
2219	RHODE ISLAND LANDINGS, NOVEMBER, 1959
2220	FROZEN FISH REPORT, ANNUAL, 1959
2221	NEW JERSEY LANDINGS, DECEMBER, 1959
2222	SOUTH CAROLINA LANDINGS, DECEMBER, 1959
2223	FLORIDA LANDINGS, DECEMBER, 1959
2224	NEW YORK LANDINGS, DECEMBER, 1959
2225	MAINE LANDINGS, DECEMBER, 1959
2226	OHIO LANDINGS, DECEMBER, 1959
2227	RHODE ISLAND LANDINGS, DECEMBER, 1959
2228	FROZEN FISH REPORT, JANUARY, 1960
2229	ALABAMA LANDINGS, OCTOBER, 1959
2230	CALIFORNIA LANDINGS, AUGUST, 1959
2231	FISH STICKS AND PORTIONS, ANNUAL, 1959
2232	SHRIMP LANDINGS, OCTOBER, 1959
2233	CALIFORNIA LANDINGS, SEPTEMBER, 1959
2234	MASSACHUSETTS LANDINGS, NOVEMBER, 1959
2235	TEXAS LANDINGS, DECEMBER, 1959
2236	GEORGIA LANDINGS, DECEMBER, 1959
2237	NEW JERSEY LANDINGS, ANNUAL, 1959
2238	NEW YORK LANDINGS, ANNUAL, 1959
2239	MISSISSIPPI LANDINGS, NOVEMBER, 1959
2240	FISH MEAL AND OIL, ANNUAL, 1959
2241	VIRGINIA LANDINGS, JANUARY, 1960
2242	MARYLAND LANDINGS, JANUARY, 1960
2243	FISH MEAL AND OIL, JANUARY, 1960
2244	CALIFORNIA LANDINGS, OCTOBER, 1959
2245	MASSACHUSETTS LANDINGS, DECEMBER, 1959
2246	MASSACHUSETTS LANDINGS, BY PORTS, ANNUAL, 1959
2247	NORTH CAROLINA LANDINGS, ANNUAL, 1959
2248	FROZEN FISH REPORT, FEBRUARY, 1960
2249	SOUTH CAROLINA LANDINGS, JANUARY, 1960
2250	FLORIDA LANDINGS, ANNUAL, 1959
2251	MAINE LANDINGS, BY MONTHS, ANNUAL, 1959
2252	NORTH CAROLINA LANDINGS, JANUARY, 1960
2253	SOUTH CAROLINA LANDINGS, ANNUAL, 1959
2254	ALABAMA LANDINGS, NOVEMBER, 1959
2255	SHRIMP LANDINGS, NOVEMBER, 1959
2256	MAINE LANDINGS, BY COUNTIES AND GEAR, ANNUAL, 1959
2257	PACKAGED FISH, ANNUAL, 1959
2258	GEORGIA LANDINGS, ANNUAL, 1959
2259	RHODE ISLAND LANDINGS, ANNUAL, 1959
2260	MASSACHUSETTS LANDINGS, BY GEAR AND SUBAREA, ANNUAL, 1959
2261	ALABAMA LANDINGS, DECEMBER, 1959
2262	NEW JERSEY LANDINGS, JANUARY, 1960
2263	CALIFORNIA LANDINGS, NOVEMBER, 1959
2264	FLORIDA LANDINGS, JANUARY, 1960
2265	MAINE LANDINGS, JANUARY, 1960
2266	GEORGIA LANDINGS, JANUARY, 1960
2267	RHODE ISLAND LANDINGS, JANUARY, 1960
2268	FROZEN FISH REPORT, MARCH, 1960
2269	MISSISSIPPI LANDINGS, DECEMBER, 1959
2270	NEW YORK LANDINGS, JANUARY, 1960
2271	SHRIMP LANDINGS, DECEMBER, 1959
2272	FISH MEAL AND OIL, FEBRUARY, 1960
2273	CANNED FISH AND BYPRODUCTS, ANNUAL, 1959
2274	TEXAS LANDINGS, JANUARY, 1960
2275	WASHINGTON LANDINGS, ANNUAL, 1959
2276	VIRGINIA LANDINGS, FEBRUARY, 1960
2277	MARYLAND LANDINGS, FEBRUARY, 1960
2278	LOUISIANA LANDINGS, OCTOBER, 1959
2279	SOUTH CAROLINA LANDINGS, FEBRUARY, 1960
2280	NORTH CAROLINA LANDINGS, FEBRUARY, 1960
2281	CALIFORNIA LANDINGS, DECEMBER, 1959
2282	MISSISSIPPI LANDINGS, ANNUAL, 1959
2283	GEORGIA LANDINGS, FEBRUARY, 1960
2284	MISSISSIPPI LANDINGS, JANUARY, 1960
2285	NEW JERSEY LANDINGS, FEBRUARY, 1960
2286	FISH MEAL AND OIL, MARCH, 1960
2287	FLORIDA LANDINGS, FEBRUARY, 1960
2288	MAINE LANDINGS, FEBRUARY, 1960
2289	ALABAMA LANDINGS, ANNUAL, 1959
2290	FROZEN FISH REPORT, APRIL, 1960
2291	SHRIMP LANDINGS, ANNUAL, 1959
2292	NEW YORK LANDINGS, FEBRUARY, 1960
2293	RHODE ISLAND LANDINGS, FEBRUARY, 1960
2294	TEXAS LANDINGS, FEBRUARY, 1960
2295	LOUISIANA LANDINGS, NOVEMBER, 1959
2296	LOUISIANA LANDINGS, DECEMBER, 1959
2297	VIRGINIA LANDINGS, MARCH, 1960
2298	MARYLAND LANDINGS, MARCH, 1960
2299	SHRIMP LANDINGS, JANUARY, 1960
2300	MASSACHUSETTS LANDINGS, JANUARY, 1960
2301	NORTH CAROLINA LANDINGS, MARCH, 1960
2302	LOUISIANA LANDINGS, JANUARY, 1960
2303	SOUTH CAROLINA LANDINGS, MARCH, 1960
2304	ALABAMA LANDINGS, JANUARY, 1960
2305	MISSISSIPPI LANDINGS, FEBRUARY, 1960
2306	FISH STICKS AND PORTIONS, JANUARY-MARCH, 1960
2307	GEORGIA LANDINGS, MARCH, 1960
2308	TEXAS LANDINGS, MARCH, 1960
2309	RHODE ISLAND LANDINGS, MARCH, 1960
2310	CALIFORNIA LANDINGS, JANUARY, 1960
2311	FLORIDA LANDINGS, MARCH, 1960
2312	MAINE LANDINGS, MARCH, 1960
2313	NEW YORK LANDINGS, MARCH, 1960
2314	OREGON LANDINGS, ANNUAL, 1959
2315	MASSACHUSETTS LANDINGS, FEBRUARY, 1960
2316	ALABAMA LANDINGS, FEBRUARY, 1960
2317	IMPORTS AND EXPORTS OF FISHERY PRODUCTS, ANNUAL, 1955-1959
2318	VIRGINIA LANDINGS, APRIL, 1960
2319	MARYLAND LANDINGS, APRIL, 1960
2320	GEORGIA LANDINGS, APRIL, 1960
2321	NORTH CAROLINA LANDINGS, APRIL, 1960
2322	ALABAMA LANDINGS, MARCH, 1960
2323	FISH MEAL AND OIL, APRIL, 1960
2324	SOUTH CAROLINA LANDINGS, APRIL, 1960
2325	OHIO LANDINGS, MARCH, 1960
2326	NEW JERSEY LANDINGS, MARCH, 1960
2327	NEW YORK LANDINGS, APRIL, 1960
2328	FLORIDA LANDINGS, APRIL, 1960
2329	MAINE LANDINGS, APRIL, 1960
2330	SHRIMP LANDINGS, FEBRUARY, 1960
2331	NEW JERSEY LANDINGS, APRIL, 1960
2332	RHODE ISLAND LANDINGS, APRIL, 1960
2333	MISSISSIPPI LANDINGS, MARCH, 1960
2334	CALIFORNIA LANDINGS, FEBRUARY, 1960
2335	TEXAS LANDINGS, APRIL, 1960
2336	HAWAII LANDINGS, ANNUAL, 1959
2337	CALIFORNIA LANDINGS, MARCH, 1960
2338	FROZEN FISH REPORT, MAY, 1960
2339	ALASKA FISHERIES, ANNUAL, 1959
2340	OHIO LANDINGS, APRIL, 1960
2341	NEW JERSEY LANDINGS, MAY, 1960
2342	MASSACHUSETTS LANDINGS, MARCH, 1960
2343	SOUTH CAROLINA LANDINGS, MAY, 1960
2344	SHRIMP LANDINGS, MARCH, 1960
2345	VIRGINIA LANDINGS, MAY, 1960
2346	NORTH CAROLINA LANDINGS, MAY, 1960
2347	MISSISSIPPI LANDINGS, APRIL, 1960
2348	FISH MEAL AND OIL, MAY, 1960
2349	FLORIDA LANDINGS, MAY, 1960
2350	GEORGIA LANDINGS, MAY, 1960
2351	MASSACHUSETTS LANDINGS, APRIL, 1960
2352	NEW YORK LANDINGS, MAY, 1960
2353	CALIFORNIA LANDINGS, APRIL, 1960
2354	NORTH CAROLINA LANDINGS, JUNE, 1960
2355	SOUTH CAROLINA LANDINGS, JUNE, 1960
2356	TEXAS LANDINGS, MAY, 1960
2357	FISH STICKS AND PORTIONS, APRIL-JUNE, 1960
2358	FROZEN FISH REPORT, JUNE, 1960
2359	MARYLAND LANDINGS, MAY, 1960
2360	SHRIMP LANDINGS, APRIL, 1960
2361	RHODE ISLAND LANDINGS, MAY, 1960
2362	FISH MEAL AND OIL, JUNE, 1960
2363	MASSACHUSETTS LANDINGS, MAY, 1960
2364	NEW JERSEY LANDINGS, JUNE, 1960
2365	VIRGINIA LANDINGS, JUNE, 1960

(CONTINUED ON NEXT PAGE)

STATISTICAL PUBLICATIONS

C. F. S. NO.	TITLE
2366	ALABAMA LANDINGS, APRIL, 1960
2367	OHIO LANDINGS, MAY, 1960
2368	GEORGIA LANDINGS, JUNE, 1960
2369	SOUTH ATLANTIC FISHERIES, ANNUAL, 1959
2370	FROZEN FISH REPORT, JULY, 1960
2371	FLORIDA LANDINGS, JUNE, 1960
2372	MAINE LANDINGS, MAY, 1960
2373	NEW YORK LANDINGS, JUNE, 1960
2374	MARYLAND LANDINGS, JUNE, 1960
2375	SHRIMP LANDINGS, MAY, 1960
2376	RHODE ISLAND LANDINGS, JUNE, 1960
2377	MASSACHUSETTS LANDINGS, JUNE, 1960
2378	VIRGINIA LANDINGS, JULY, 1960
2379	MISSISSIPPI LANDINGS, MAY, 1960
2380	MARYLAND LANDINGS, JULY, 1960
2381	NORTH CAROLINA LANDINGS, JULY, 1960
2382	OHIO LANDINGS, JUNE, 1960
2383	SOUTH CAROLINA LANDINGS, JULY, 1960
2384	TEXAS LANDINGS, JUNE, 1960
2385	GEORGIA LANDINGS, JULY, 1960
2386	MAINE LANDINGS, JUNE, 1960
2387	CALIFORNIA LANDINGS, MAY, 1960
2388	FISH MEAL AND OIL, JULY, 1960
2389	FLORIDA LANDINGS, JULY, 1960
2390	FROZEN FISH REPORT, AUGUST, 1960
2391	SHRIMP LANDINGS, JUNE, 1960
2392	RHODE ISLAND LANDINGS, JULY, 1960
2393	NEW YORK LANDINGS, JULY, 1960
2394	ALABAMA LANDINGS, MAY, 1960
2395	ALABAMA LANDINGS, JUNE, 1960
2396	OHIO LANDINGS, JULY, 1960
2397	LOUISIANA LANDINGS, FEBRUARY AND MARCH, 1960
2398	MASSACHUSETTS LANDINGS, JULY, 1960
2399	SHRIMP LANDINGS, JULY, 1960
2400	NORTH CAROLINA LANDINGS, AUGUST, 1960
2401	TEXAS LANDINGS, JULY, 1960
2402	MAINE LANDINGS, JULY, 1960
2403	MARYLAND LANDINGS, AUGUST, 1960
2404	NEW JERSEY LANDINGS, JULY, 1960
2405	FLORIDA LANDINGS, AUGUST, 1960
2406	FROZEN FISH REPORT, SEPTEMBER, 1960
2407	GEORGIA LANDINGS, AUGUST, 1960
2408	SOUTH CAROLINA LANDINGS, AUGUST, 1960
2409	MISSISSIPPI LANDINGS, JUNE, 1960
2410	TEXAS LANDINGS, AUGUST, 1960
2411	FISH MEAL AND OIL, AUGUST, 1960
2412	LOUISIANA LANDINGS, APRIL, 1960
2413	NEW YORK LANDINGS, AUGUST, 1960
2414	VIRGINIA LANDINGS, AUGUST, 1960
2415	NEW JERSEY LANDINGS, AUGUST, 1960
2416	RHODE ISLAND LANDINGS, AUGUST, 1960
2417	CALIFORNIA LANDINGS, JUNE, 1960
2418	MASSACHUSETTS LANDINGS, AUGUST, 1960
2419	FISH STICKS AND PORTIONS, JULY-SEPTEMBER, 1960
2420	OHIO LANDINGS, AUGUST, 1960
2421	NEW JERSEY LANDINGS, SEPTEMBER, 1960
2422	NORTH CAROLINA LANDINGS, SEPTEMBER, 1960
2423	MISSISSIPPI LANDINGS, JULY, 1960
2424	ALABAMA LANDINGS, JULY, 1960
2425	FLORIDA LANDINGS, SEPTEMBER, 1960
2426	MAINE LANDINGS, AUGUST, 1960
2427	FROZEN FISH REPORT, OCTOBER, 1960
2428	SHRIMP LANDINGS, AUGUST, 1960
2429	FISH MEAL AND OIL, SEPTEMBER, 1960
2430	GEORGIA LANDINGS, SEPTEMBER, 1960
2431	SOUTH CAROLINA LANDINGS, SEPTEMBER, 1960
2432	ALABAMA LANDINGS, AUGUST, 1960
2433	NEW ENGLAND FISHERIES, ANNUAL, 1959
2434	MARYLAND LANDINGS, SEPTEMBER, 1960
2435	GULF FISHERIES, ANNUAL, 1959
2436	OHIO LANDINGS, SEPTEMBER, 1960
2437	VIRGINIA LANDINGS, SEPTEMBER, 1960
2438	NEW YORK LANDINGS, SEPTEMBER, 1960
2439	MIDDLE ATLANTIC FISHERIES, ANNUAL, 1959
2440	RHODE ISLAND LANDINGS, SEPTEMBER, 1960
2441	PACIFIC COAST FISHERIES, ANNUAL, 1959
2442	CALIFORNIA LANDINGS, JULY, 1960
2443	NORTH CAROLINA LANDINGS, OCTOBER, 1960
2444	CHESAPEAKE FISHERIES, ANNUAL, 1959
2445	MASSACHUSETTS LANDINGS, SEPTEMBER, 1960
2446	SOUTH CAROLINA LANDINGS, OCTOBER, 1960
2447	MISSISSIPPI LANDINGS, AUGUST, 1960
2448	FROZEN FISH REPORT, NOVEMBER, 1960
2449	MARYLAND LANDINGS, OCTOBER, 1960
2450	NEW JERSEY LANDINGS, OCTOBER, 1960
2451	FISH MEAL AND OIL, OCTOBER, 1960
2452	MAINE LANDINGS, SEPTEMBER, 1960
2453	GEORGIA LANDINGS, OCTOBER, 1960
2454	GREAT LAKES FISHERIES, ANNUAL, 1959
2455	FLORIDA LANDINGS, OCTOBER, 1960

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